



# Product Specifications Reference

ThinkPad Laptops and Mobile Workstations



Version 642

January 24th, 2025

Lenovo

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# Summary of Changes

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This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

## January 24, 2025 - Version 642

### Additions in this update

► **New product(s)**

ThinkPad X9-14 Gen 1

ThinkPad X9-15 Gen 1

► **Spec updated**

ThinkPad E14 Gen 6 (AMD)

ThinkPad E14 Gen 6 (Intel)

ThinkPad E16 Gen 2 (AMD)

ThinkPad E16 Gen 2 (Intel)

ThinkPad L13 2-in-1 Gen 5 (Intel)

ThinkPad L13 Gen 5 (Intel)

ThinkPad L14 Gen 5 (AMD)

ThinkPad L14 Gen 5 (Intel)

ThinkPad L16 Gen 1 (AMD)

ThinkPad L16 Gen 1 (Intel)

ThinkPad T14 Gen 5 (AMD)

ThinkPad T14 Gen 5 (Intel)

ThinkPad T14s Gen 5

ThinkPad T14s Gen 6 (AMD)

ThinkPad T14s Gen 6 (Snapdragon)

ThinkPad T16 Gen 3

ThinkPad X1 2-in-1 Gen 9

ThinkPad X1 Carbon Gen 12

ThinkPad X1 Carbon Gen 13

ThinkPad X13 2-in-1 Gen 5

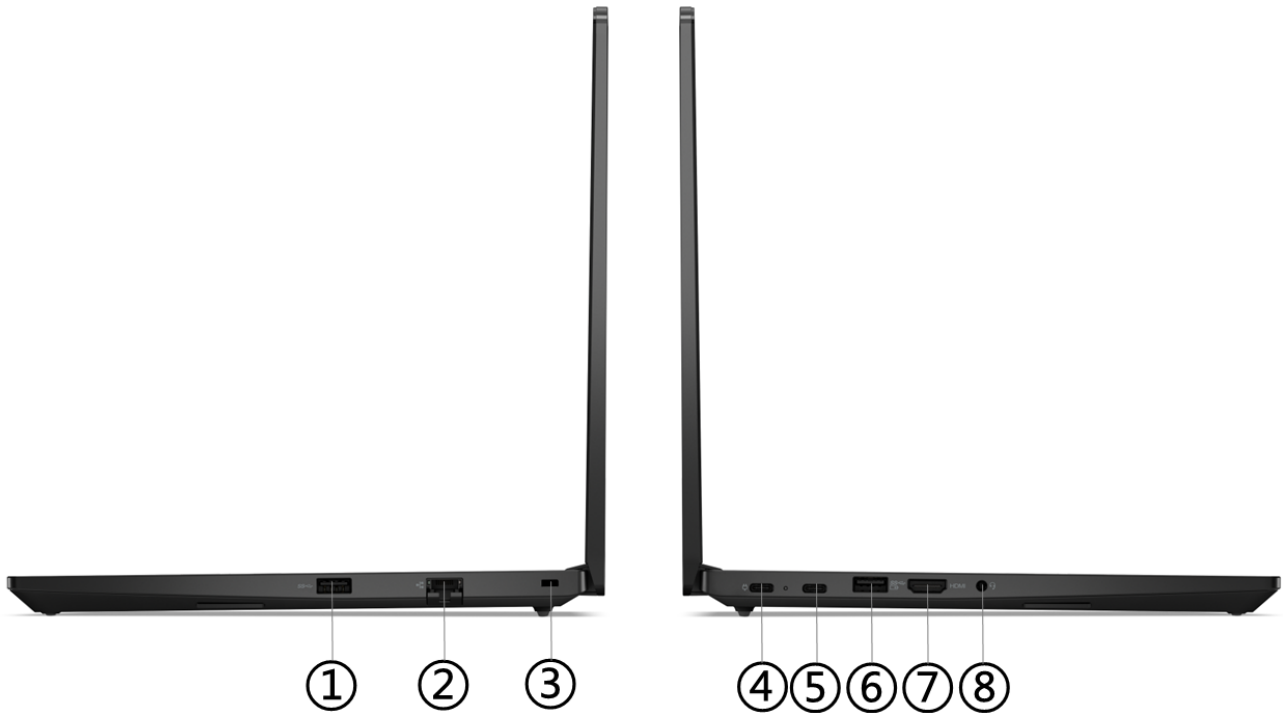
ThinkPad X13 Gen 5

### Withdrawals in this update

► **Withdrawn product(s)**

None

## OVERVIEW



1. USB 3.2 Gen 1	5. USB-C 3.2 Gen 2
2. Ethernet (RJ-45)	6. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot	7. HDMI
4. USB-C 3.2 Gen 1	8. Headphone / microphone combo jack (3.5mm)



## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 7330U	4	8	2.3GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 5625U	6	12	2.3GHz	4.3GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 7430U	6	12	2.3GHz	4.3GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 7530U	6	12	2.0GHz	4.5GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 7 7730U	8	16	2.0GHz	4.5GHz	4MB L2 / 16MB L3	AMD Radeon™ Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4096x2160@30Hz
- USB-C® supports up to 5120x2160@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200

#### Memory Slots

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

#### Memory Type

DDR4-3200

Notes:

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

### Storage

#### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 512GB
- M.2 2280 SSD up to 1TB

### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 3.0 x4 slot
- One M.2 2280 PCIe® 3.0 x4 slot

### Storage Type\*\*\*[2]

Disk Type	Interface	Offering	Security
M.2 2242 SSD <sup>[3]</sup>	PCIe® NVMe®, PCIe® 3.0 x4	128GB	-
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	1TB	Opal 2.0

Notes:

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

[2] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0 x4 due to AMD platform limitations.

[3] 128GB SSD is for special bid only.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Synaptic® CX11880 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*[1]

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 2018: up to 15.03 hr @200nits

JEITA 2.0: up to 20.85 hr @150nits

Local video playback: up to 19.56 hr @150nits

Alternate configuration 2

MobileMark® 2018: up to 13.73 hr @200nits

JEITA 2.0: up to 17.34 hr @150nits

Local video playback: up to 15.1 hr @150nits

Alternate configuration 3

MobileMark® 2018: up to 12.38 hr @200nits

JEITA 2.0: up to 14.37 hr @150nits

Local video playback: up to 15.2 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 7730U, 8GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 7530U, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), AMD Ryzen™ 7 7730U, 8GB DDR4, Win 11, 47Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 2018](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## 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
14"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	2.2K (2240x1400)	None	IPS	300nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)



## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

313 x 219.3 x 17.99 mm (12.32 x 8.63 x 0.71 inches)

### Weight<sup>[2]</sup>

Models	Weight
Aluminium (top), PC-ABS (bottom) models	Starting at 1.41 kg (3.11 lbs)
Aluminium (top), aluminium (bottom) models	Starting at 1.43 kg (3.15 lbs)

### Case Color\*\*

- Arctic grey
- Graphite black

### Case Material\*\*

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Realtek® RTL8111H-CG, 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®\*\*

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[1]</sup>
- MediaTek Wi-Fi® 6 MT7921, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 Card<sup>[2]</sup>
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[3]</sup>
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[4]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[5]</sup>
- AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 Card<sup>[6]</sup>

#### WWAN

No support

#### SIM Card

No physical SIM card inbox

#### NFC

No support

#### Notes:

[1] Wi-Fi® 6 full features might be limited by country-level restrictions.

[2], [3] Wi-Fi® 6 full features might be limited by country-level restrictions. Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

[4] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

[5], [6] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

### 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E14 Gen 5 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip\*\*

- Firmware TPM 2.0 integrated in SoC
- Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

Non-DASH

## SERVICE

## Warranty

### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E14 Gen 5 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

25% PCC recycled plastic used in the battery pack enclosure  
30% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in standard 65W adapter  
Low-temperature solder

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0



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**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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
  - (Optional) TÜV Rheinland® Low Blue Light (Software Solution)
- 
- 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.
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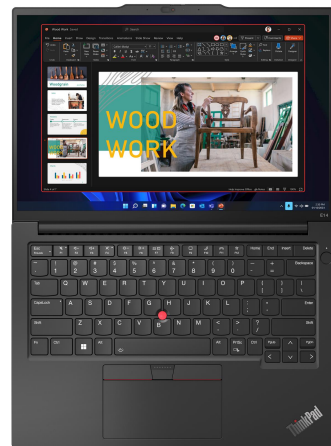
AMD



AMD



AMD



AMD



AMD



AMD

**OVERVIEW**



1. USB 2.0	5. Thunderbolt 4
2. Ethernet (RJ-45)	6. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot	7. HDMI
4. USB-C 3.2 Gen 2	8. Headphone / microphone combo jack (3.5mm)



## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U, P or H Series Core i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[1]</sup>
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[2]</sup>
Core i5-13420H	8 (4 P-core + 4 E-core)	12	P-core 2.1GHz / E-core 1.5GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® UHD Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics <sup>[3]</sup>
Core i5-13500H	12 (4 P-core + 8 E-core)	16	P-core 2.6GHz / E-core 1.9GHz	P-core 4.7GHz / E-core 3.5GHz	18MB	Intel® Iris® Xe Graphics <sup>[4]</sup>
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics <sup>[5]</sup>
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics <sup>[6]</sup>
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics <sup>[7]</sup>
Core i7-13700H	14 (6 P-core + 8 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	P-core 5.0GHz / E-core 3.7GHz	24MB	Intel® Iris® Xe Graphics <sup>[8]</sup>

Notes:

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

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® GeForce MX550	Discrete	2GB GDDR6	-	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 (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 4096x2160@60Hz
- USB-C® supports up to 4096x2160@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200
- Up to 48GB (16GB soldered + 32GB SO-DIMM) DDR4-3200<sup>[1]</sup>

### Memory Slots

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

### Memory Type

DDR4-3200

## Notes:

[1] Maximum memory 48GB is only to test technical readiness of notebook. Available memory to sell would vary.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB each

### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 3.0 x4 slot
- One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type<sup>\*\*\*</sup>

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 3.0 x4	128GB	-
M.2 2242 SSD <sup>[2]</sup>	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

## Notes:

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

[2] M.2 PCIe® 4.0 x4 SSD in the M.2 PCIe® 3.0 x4 slot is downgraded to PCIe® 3.0 x4 performance.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Synaptic® CX11880 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, Dolby Voice®

#### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery

#### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

#### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 2018: up to 11.2 hr @200nits

MobileMark® 25: up to 8.58 hr with 725 performance score @250nits

JEITA 2.0: up to 15.2 hr @150nits

Local video playback: up to 13.9 hr @150nits

Alternate configuration 2

MobileMark® 2018: up to 9.16 hr @200nits

MobileMark® 25: up to 7.6 hr with 814 performance score @250nits

JEITA 2.0: up to 15.3 hr @150nits

Local video playback: up to 13.4 hr @150nits

Alternate configuration 3

MobileMark® 2018: up to 8.18 hr @200nits

MobileMark® 25: up to 6.7 hr with 716 performance score @250nits

JEITA 2.0: up to 14.9 hr @150nits

Local video playback: up to 13.1 hr @150nits

Notes:

<sup>[1]</sup> Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

<sup>[2]</sup> Configuration 1 (max battery life): WUXGA (non-touch), Intel® i3-1315U, 8GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® i5-1340P, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: 2.2K (non-touch), Intel® i7-1355U, 40GB DDR4, NVIDIA® Geforce MX550, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 2018](#), [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

#### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

<sup>[1]</sup> AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	2.2K (2240x1400)	None	IPS	300nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

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

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

313 x 219.3 x 17.99 mm (12.32 x 8.63 x 0.71 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Aluminium (top), PC-ABS (bottom) models	Starting at 1.41 kg (3.11 lbs)
Aluminium (top), aluminium (bottom) models	Starting at 1.43 kg (3.15 lbs)

**Case Color\*\***

- Arctic grey
- Graphite black

**Case Material\*\***

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Intel® Ethernet Connection I219-V, 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®\*\*

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[1]</sup>
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[2]</sup>
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.2 hardware ready), M.2 Card<sup>[3]</sup>
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[4]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[5]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 Card<sup>[6]</sup>

#### WWAN

No support

#### SIM Card

No physical SIM card inbox

#### NFC

No support

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#### Notes:

[1] Wi-Fi® 6 full features might be limited by country-level restrictions.

[2] Wi-Fi® 6 full features might be limited by country-level restrictions. Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

[3] Wi-Fi® 6 full features might be limited by country-level restrictions. Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

[4] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

[5], [6] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 2.0
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

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#### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E14 Gen 5 \(Intel®\)](#)

## SECURITY & PRIVACY

## Security

### Security Chip\*\*

- Firmware TPM 2.0 integrated in SoC
- Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

No smart card reader

### Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise
- Non-vPro®

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

- Lenovo® 15.6" laptop casual toplayer, polyester, black
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E14 Gen 5 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)



- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

25% PCC recycled plastic used in the battery pack enclosure

30% PCC recycled plastic used in speaker enclosure

90% PCC recycled plastic used in standard 65W adapter

Low-temperature solder

Notes:

- [1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- FSC certified package
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

- [3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- (Optional) TÜV Rheinland® Low Blue Light (Software Solution)

- 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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## OVERVIEW



1. USB-A (USB 5Gbps)	5. USB-C (USB 10Gbps), with USB PD 3.0 & DP 1.4
2. Ethernet (RJ-45)	6. USB-A (USB 10Gbps), Always On
3. Kensington Nano Security Slot	7. HDMI
4. USB-C (USB 5Gbps), with USB PD 3.0 & DP 1.4	8. Headphone / microphone combo jack (3.5mm)

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 7335U	4	8	3.0GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ 660M
AMD Ryzen™ 5 7535HS	6	12	3.3GHz	4.55GHz	3MB L2 / 16MB L3	AMD Radeon™ 660M
AMD Ryzen™ 5 7535U	6	12	2.9GHz	4.55GHz	3MB L2 / 16MB L3	AMD Radeon™ 660M
AMD Ryzen™ 7 7735HS	8	16	3.2GHz	4.75GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M
AMD Ryzen™ 7 7735U	8	16	2.7GHz	4.75GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 660M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 680M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4K@60Hz
- USB-C® (USB 10Gbps) supports up to 5K@60Hz
- USB-C® (USB 5Gbps) supports up to 4K@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 64GB DDR5-4800

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Memory Type

DDR5-4800

Notes:

[1] Maximum memory is only to test technical readiness of notebook but not shipped by Lenovo®.

### Storage

#### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB
- M.2 2280 SSD up to 1TB

## Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 slot
- One M.2 2280 PCIe® 4.0 x4 slot

## Storage Type\*\*\*

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	1TB	Opal 2.0

Notes:

[1] The system supports dual SSD via two M.2 slots, but Lenovo® only offers one M.2 2242 SSD configuration and M.2 2280 slot for user self-extension.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Senary SN6141 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®, audio by HARMAN

### Microphone

Dual-microphone array with smart noise-cancelling

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus, temporal noise reduction
- FHD 1080p, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*[1]

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 13.5 hr with 588 performance score @250nits

JEITA 3.0 (Video/Idle): up to 11.76 hr / 21.8 hr @200nits

Local video playback: up to 19.59 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 13.08 hr with 604 performance score @250nits

JEITA 3.0 (Video/Idle): up to 11.75 hr / 20.1 hr @200nits

Local video playback: up to 18.84 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 10.1 hr with 667 performance score @250nits

JEITA 3.0 (Video/Idle): up to 8.4 hr / 16.3 hr @200nits

Local video playback: up to 14.65 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 7735HS, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), AMD Ryzen™ 7735U, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), AMD Ryzen™ 5 7535U, 8GB+8GB DDR5, Win 11, 47Wh battery, best power

efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	2.2K (2240x1400)	None	IPS <sup>[3]</sup>	300nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>



Models	Dimensions
Models with aluminium (top) and aluminium (bottom)	313 x 219.3 x 17.99 mm (12.32 x 8.63 x 0.71 inches)
Models with aluminium (top) and PC-ABS (bottom)	313 x 219.3 x 18.59 mm (12.32 x 8.63 x 0.73 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with aluminium (top) and aluminium (bottom)	Starting at 1.44 kg (3.17 lbs)
Models with aluminium (top) and PC-ABS (bottom)	Starting at 1.42 kg (3.14 lbs)

**Case Color\*\***

- Black
- Grey

**Case Material\*\***

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Realtek® RTL8111H-CG, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- MediaTek Wi-Fi® 6 MT7921, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[2]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[3]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

**Notes:**

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

[2], [3] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 4K/60Hz

- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

## Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E14 Gen 6 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip\*\*

- Discrete TPM 2.0, TCG certified, FIPS 140-2 certified
- Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES

## Bundled Accessories

### Bundled Accessories<sup>[1]</sup>

None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E14 Gen 6 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

25% PCC recycled plastic used in the battery pack enclosure  
30% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in standard 65W adapter  
Plastic free packaging  
Dry-pressed bamboo & sugarcane fiber Cushions  
FSC Certified paper in packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

## Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

- (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
  - (Optional) TÜV Rheinland® Low Blue Light (Software Solution)
- 
- 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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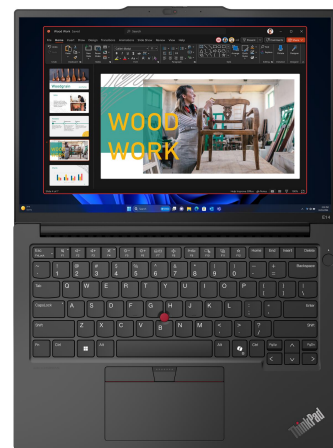
AMD



AMD



AMD



AMD



AMD



AMD

## OVERVIEW



1. USB-A (USB 5Gbps)	5. Thunderbolt 4
2. Ethernet (RJ-45)	6. USB-A (USB 10Gbps), Always On
3. Kensington Nano Security Slot	7. HDMI
4. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4	8. Headphone / microphone combo jack (3.5mm)

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[1]</sup>	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[2]</sup>	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

Notes:

[1], [2] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Ubuntu Linux<sup>[1]</sup>
- No preload operating system

Notes:

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1



## Notes:

[1] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C®, and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@60Hz
- Thunderbolt™ supports up to 8K@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

Up to 64GB DDR5-5600

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600

## Notes:

[1] Maximum memory is only to test technical readiness of notebook but not shipped by Lenovo®.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB
- M.2 2280 SSD up to 1TB

### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 slot
- One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

## Notes:

[1] The system supports dual SSD via two M.2 slots, but Lenovo® only offers one M.2 2242 SSD configuration and M.2 2280 slot for user self-extension.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Senary SN6141 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®, audio by HARMAN

### Microphone

Dual-microphone array with smart noise-cancelling

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus, temporal noise reduction
- FHD 1080p, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 11.8 hr with 793 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 11.68 hr / 20.9 hr @200nits

Local video playback: up to 20.24 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 11.75 hr with 590 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 11.22 hr / 20.23 hr @200nits

Local video playback: up to 19.4 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.33 hr with 591 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 9.22 hr / 16.5 hr @200nits

Local video playback: up to 15.66 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® Core™ Ultra 5 125U, 8GB+8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® Core™ Ultra 5 135U, 16GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® Core™ Ultra 5 135U, 16GB DDR5, Win 11, 47Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features

14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
14"	2.2K (2240x1400)	None	IPS <sup>[3]</sup>	300nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu

Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Models with aluminium (top) and aluminium (bottom)	313 x 219.3 x 17.99 mm (12.32 x 8.63 x 0.71 inches)
Models with aluminium (top) and PC-ABS (bottom)	313 x 219.3 x 18.59 mm (12.32 x 8.63 x 0.73 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with aluminium (top) and aluminium (bottom)	Starting at 1.44 kg (3.17 lbs)
Models with aluminium (top) and PC-ABS (bottom)	Starting at 1.42 kg (3.14 lbs)

### Case Color\*\*

- Black
- Grey

### Case Material\*\*

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 Card
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[2]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[3]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card<sup>[4]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

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**Notes:**

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

[2], [3], [4] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

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**Notes:**

[1] The transfer speed of the 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.

**Docking****Docking**

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E14 Gen 6 \(Intel®\)](#)

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

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

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Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

- Lenovo® 15.6" laptop casual toplayer, polyester
- None

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Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E14 Gen 6 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

## Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

# ENVIRONMENTAL

## Sustainability

### Material<sup>[1]</sup>

25% PCC recycled plastic used in the battery pack enclosure

30% PCC recycled plastic used in speaker enclosure

90% PCC recycled plastic used in standard 65W adapter

Plastic free packaging

Dry-pressed bamboo & sugarcane fiber Cushions

FSC Certified paper in packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

# CERTIFICATIONS

## Green Certifications<sup>[1]</sup>

### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- (Optional) TÜV Rheinland® Low Blue Light (Software Solution)

• 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.

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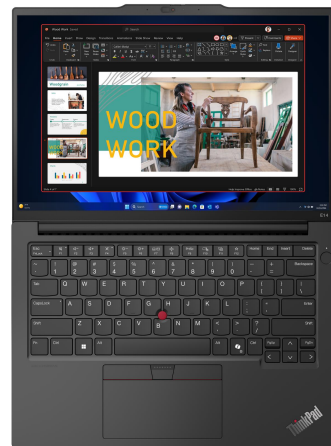
Microsoft



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Microsoft



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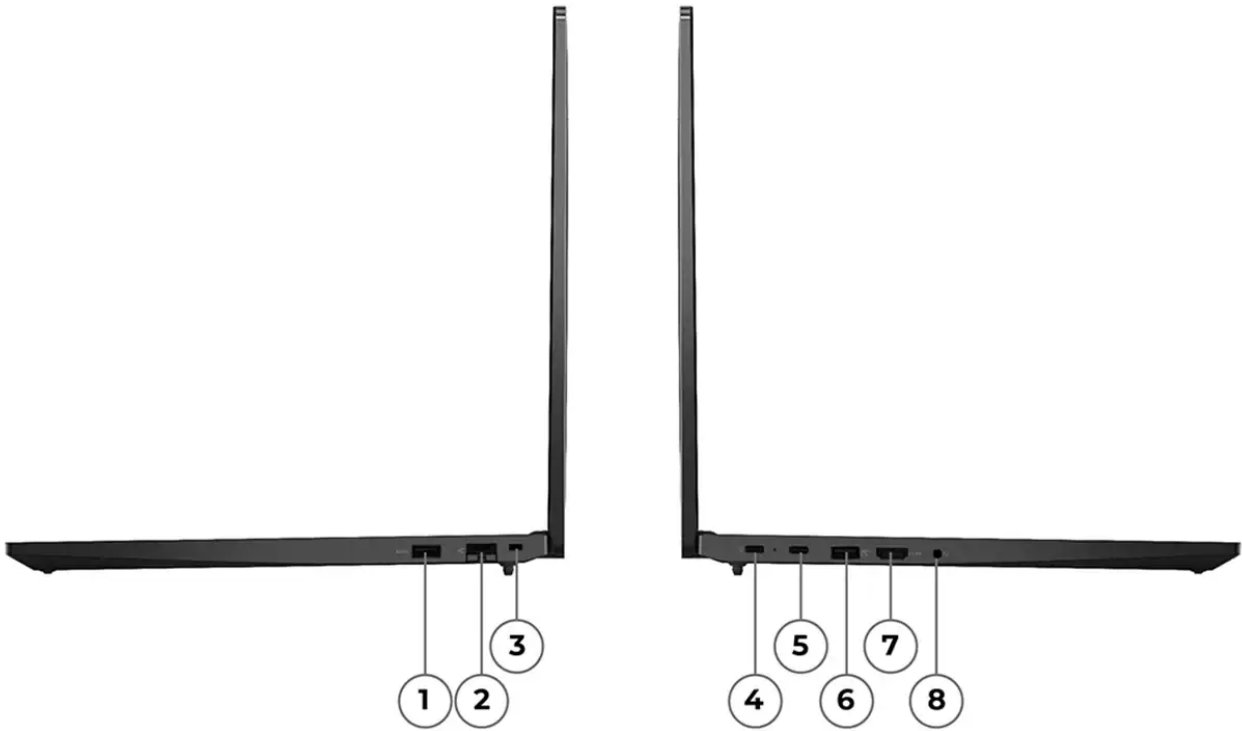


Microsoft



Microsoft

## OVERVIEW



1. USB 3.2 Gen 1	5. USB-C 3.2 Gen 2
2. Ethernet (RJ-45)	6. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot	7. HDMI
4. USB-C 3.2 Gen 1	8. Headphone / microphone combo jack (3.5mm)



## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 7330U	4	8	2.3GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 7430U	6	12	2.3GHz	4.3GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 7530U	6	12	2.0GHz	4.5GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 7 7730U	8	16	2.0GHz	4.5GHz	4MB L2 / 16MB L3	AMD Radeon™ Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4096x2160@30Hz
- USB-C® supports up to 5120x2160@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200

#### Memory Slots

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

#### Memory Type

DDR4-3200

Notes:

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

### Storage

#### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 512GB
- M.2 2280 SSD up to 1TB

## Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 3.0 x4 slot
- One M.2 2280 PCIe® 3.0 x4 slot

## Storage Type\*\*[2]

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	1TB	Opal 2.0

Notes:

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

[2] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0 x4 due to AMD platform limitations.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Synaptic® CX11880 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*[1]

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life[2]

Configuration 1 (max battery life)

MobileMark® 2018: up to 14.45 hr @200nits

JEITA 2.0: up to 20.68 hr @150nits

Local video playback: up to 19.13 hr @150nits

Alternate configuration 2

MobileMark® 2018: up to 12.03 hr @200nits

JEITA 2.0: up to 16.71 hr @150nits

Local video playback: up to 15.25 hr @150nits

Alternate configuration 3

MobileMark® 2018: up to 12.38 hr @200nits

JEITA 2.0: up to 14.37 hr @150nits

Local video playback: up to 15.2 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 7730U, 8GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 7530U, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), AMD Ryzen™ 7 7730U, 8GB DDR4, Win 11, 47Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 2018](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0
16"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
16"	WQXGA (2560x1600)	None	IPS	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 68 x 115 mm (2.68 x 4.53 inches)

### Mechanical

**Dimensions (WxDxH)<sup>[1]</sup>**

356.1 x 247.7 x 19.85 mm (14.02 x 9.75 x 0.78 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Aluminium (top), PC-ABS (bottom) models	Starting at 1.77 kg (3.90 lbs)
Aluminium (top), aluminium (bottom) models	Starting at 1.81 kg (3.99 lbs)

**Case Color**

Graphite black

**Case Material\*\***

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Realtek® RTL8111H-CG, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\***

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[1]</sup>
- MediaTek Wi-Fi® 6 MT7921, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 Card<sup>[2]</sup>
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[3]</sup>
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[4]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[5]</sup>
- AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 Card<sup>[6]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

**Notes:**

[1] Wi-Fi® 6 full features might be limited by country-level restrictions.

[2], [3] Wi-Fi® 6 full features might be limited by country-level restrictions. Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

[4] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

[5], [6] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

#### 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E16 Gen 1 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip\*\*

- Firmware TPM 2.0 integrated in SoC
- Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E16 Gen 1 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

25% PCC recycled plastic used in the battery pack enclosure  
30% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in standard 65W adapter  
Low-temperature solder

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
  - (Optional) TÜV Rheinland® Low Blue Light (Software Solution)
- 
- 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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AMD



AMD



AMD



AMD



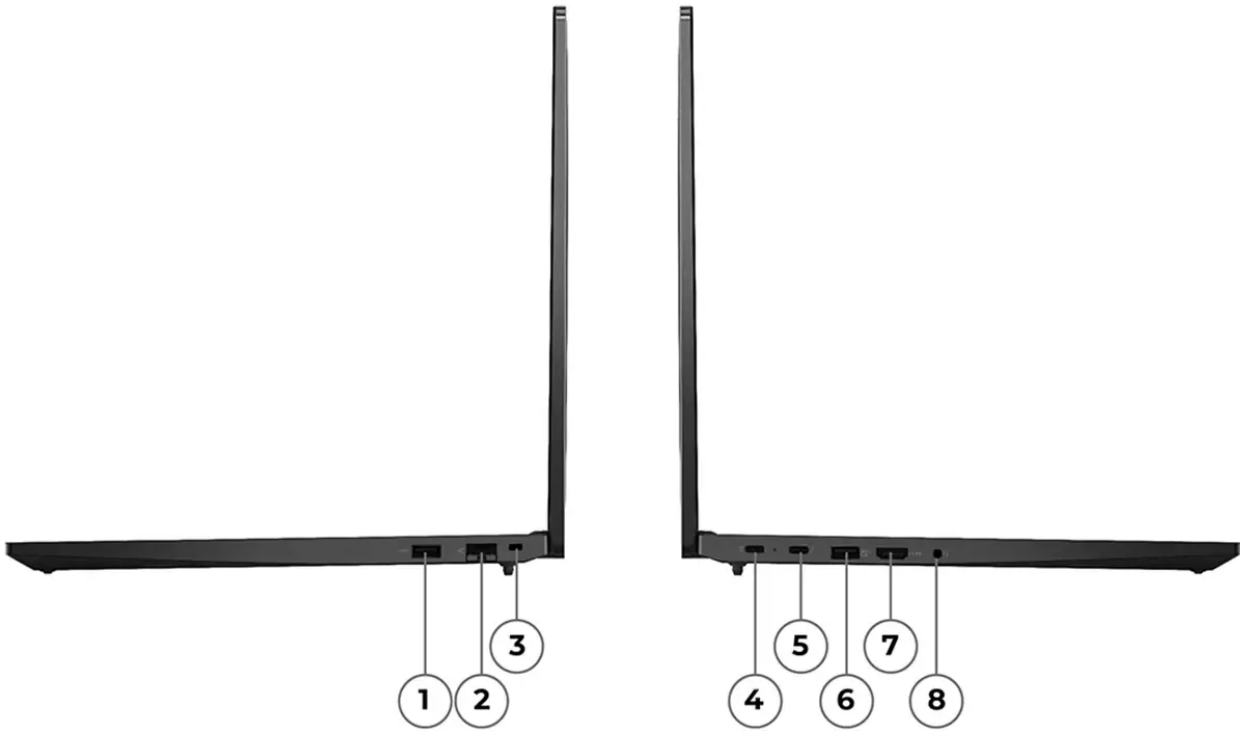
AMD



AMD



**OVERVIEW**



1. USB 2.0	5. Thunderbolt 4
2. Ethernet (RJ-45)	6. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot	7. HDMI
4. USB-C 3.2 Gen 2	8. Headphone / microphone combo jack (3.5mm)

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U, P or H Series Core i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[1]</sup>
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[2]</sup>
Core i5-13420H	8 (4 P-core + 4 E-core)	12	P-core 2.1GHz / E-core 1.5GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® UHD Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i5-13500H	12 (4 P-core + 8 E-core)	16	P-core 2.6GHz / E-core 1.9GHz	P-core 4.7GHz / E-core 3.5GHz	18MB	Intel® Iris® Xe Graphics <sup>[3]</sup>
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics <sup>[4]</sup>
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics <sup>[5]</sup>
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-13700H	14 (6 P-core + 8 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	P-core 5.0GHz / E-core 3.7GHz	24MB	Intel® Iris® Xe Graphics <sup>[6]</sup>

Notes:

[1], [2], [3], [4], [5], [6] 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.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® GeForce MX550	Discrete	2GB GDDR6	-	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 (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 4096x2160@60Hz
- USB-C® supports up to 4096x2160@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200
- Up to 48GB (16GB soldered + 32GB SO-DIMM) DDR4-3200<sup>[1]</sup>

### Memory Slots

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

### Memory Type

DDR4-3200

## Notes:

[1] Maximum memory 48GB is only to test technical readiness of notebook. Available memory to sell would vary.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB each

### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 3.0 x4 slot
- One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type<sup>[2]</sup>

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

## Notes:

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

[2] M.2 PCIe® 4.0 x4 SSD in the M.2 PCIe® 3.0 x4 slot is downgraded to PCIe® 3.0 x4 performanc.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Synaptic® CX11880 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, Dolby Voice®

**Camera\*\***

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

**Battery****Battery\*\*<sup>[1]</sup>**

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 2018: up to 10.78 hr @200nits

MobileMark® 25: up to 7.36 hr with 731 performance score @250nits

JEITA 2.0: up to 13.9 hr @150nits

Local video playback: up to 12.6 hr @150nits

Alternate configuration 2

MobileMark® 2018: up to 7.5 hr @200nits

MobileMark® 25: up to 6.1 hr with 720 performance score @250nits

JEITA 2.0: up to 12.9 hr @150nits

Local video playback: up to 11.9 hr @150nits

Alternate configuration 3

MobileMark® 2018: up to 7.95 hr @200nits

MobileMark® 25: up to 6.16 hr with 781 performance score @250nits

JEITA 2.0: up to 13 hr @150nits

Local video playback: up to 11 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® i3-1315U, 8GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® i5-1340P, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WQXGA (non-touch), Intel® i7-1355U, 40GB DDR4, NVIDIA® Geforce MX550, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 2018](#), [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter\*\*<sup>[1]</sup>**

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

**DESIGN****Display****Display\*\*<sup>[1]</sup>**

Size	Resolution	Touch	Type	Brightness	Surface	Aspect	Contrast	Color	Refresh	Viewing	Key Features
------	------------	-------	------	------------	---------	--------	----------	-------	---------	---------	--------------

						Ratio	Ratio	Gamut	Rate	Angle (L/R/U/D)	
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0
16"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
16"	WQXGA (2560x1600)	None	IPS	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 68 x 115 mm (2.68 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

356.1 x 247.7 x 19.85 mm (14.02 x 9.75 x 0.78 inches)

### Weight<sup>[2]</sup>

Models	Weight
Aluminium (top), PC-ABS (bottom) models	Starting at 1.77 kg (3.90 lbs)
Aluminium (top), aluminium (bottom) models	Starting at 1.81 kg (3.99 lbs)

### Case Color

Graphite black

### Case Material\*\*

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Intel® Ethernet Connection I219-V, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\***

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[1]</sup>
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[2]</sup>
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.2 hardware ready), M.2 Card<sup>[3]</sup>
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card<sup>[4]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 card<sup>[5]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.3 hardware ready), M.2 Card<sup>[6]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

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**Notes:**

[1] Wi-Fi® 6 full features might be limited by country-level restrictions.

[2] Wi-Fi® 6 full features might be limited by country-level restrictions.  
Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

[3] Wi-Fi® 6 full features might be limited by country-level restrictions.  
Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

[4] Wi-Fi® 6E full features might be limited by country-level restrictions.  
Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.  
6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

[5], [6] Wi-Fi® 6E full features might be limited by country-level restrictions.  
Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.  
6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.  
Bluetooth® 5.3 is hardware ready but may run at a lower version due to OS limitations.

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB 2.0
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

---

**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.

**Docking****Docking**

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E16 Gen 1 \(Intel®\)](#)

**SECURITY & PRIVACY**

## Security

### Security Chip\*\*

- Firmware TPM 2.0 integrated in SoC
- Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

No smart card reader

### Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

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Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

- Lenovo® 15.6" laptop casual toplayer, polyester, black
- None

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Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E16 Gen 1 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

**Temperature<sup>[1]</sup>**

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

**Notes:**

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

25% PCC recycled plastic used in the battery pack enclosure  
30% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in standard 65W adapter  
Low-temperature solder

**Notes:**

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- FSC certified package
- RoHS compliant
- TCO Certified 9.0

**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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- (Optional) TÜV Rheinland® Low Blue Light (Software Solution)

• 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.

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- The specifications on this page may not be available in all regions, and may be changed or updated without notice.



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## OVERVIEW



1. USB-A (USB 5Gbps)	5. USB-C (USB 10Gbps), with USB PD 3.0 & DP 1.4
2. Ethernet (RJ-45)	6. USB-A (USB 10Gbps), Always On
3. Kensington Nano Security Slot	7. HDMI
4. USB-C (USB 5Gbps), with USB PD 3.0 & DP 1.4	8. Headphone / microphone combo jack (3.5mm)

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 7335U	4	8	3.0GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ 660M
AMD Ryzen™ 5 7535HS	6	12	3.3GHz	4.55GHz	3MB L2 / 16MB L3	AMD Radeon™ 660M
AMD Ryzen™ 5 7535U	6	12	2.9GHz	4.55GHz	3MB L2 / 16MB L3	AMD Radeon™ 660M
AMD Ryzen™ 7 7735HS	8	16	3.2GHz	4.75GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M
AMD Ryzen™ 7 7735U	8	16	2.7GHz	4.75GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 660M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 680M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4K@60Hz
- USB-C® (USB 10Gbps) supports up to 5K@60Hz
- USB-C® (USB 5Gbps) supports up to 4K@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 64GB DDR5-4800

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Memory Type

DDR5-4800

Notes:

[1] Maximum memory is only to test technical readiness of notebook but not shipped by Lenovo®.

### Storage

#### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB
- M.2 2280 SSD up to 1TB

**Storage Slot**

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 slot
- One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type**

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

[1] The system supports dual SSD via two M.2 slots, but Lenovo® only offers one M.2 2242 SSD configuration and M.2 2280 slot for user self-extension.

**Removable Storage****Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Senary SN6141 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Atmos®, audio by HARMAN

**Microphone**

Dual-microphone array with smart noise-cancelling

**Camera\*\***

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus, temporal noise reduction
- FHD 1080p, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

**Battery****Battery\*\*[1]**

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 13.2 hr with 589 performance score @250nits

JEITA 3.0 (Video/Idle): up to 13.19 hr / 24.3 hr @200nits

Local video playback: up to 22.02 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 12.38 hr with 610 performance score @250nits

JEITA 3.0 (Video/Idle): up to 11.06 hr / 17.7 hr @200nits

Local video playback: up to 17.75 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 8.93 hr with 634 performance score @250nits

JEITA 3.0 (Video/Idle): up to 7.61 hr / 13.6 hr @200nits

Local video playback: up to 13.49 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 7735HS, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), AMD Ryzen™ 7735U, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), AMD Ryzen™ 5 7535U, 8GB+8GB DDR5, Win 11, 47Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0
16"	WQXGA (2560x1600)	None	IPS <sup>[4]</sup>	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu

Mylar® surface multi-touch touchpad, 68 x 115 mm (2.68 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Models with aluminium (top) and aluminium (bottom)	356.1 x 247.7 x 19.85 mm (14.02 x 9.75 x 0.78 inches)
Models with aluminium (top) and PC-ABS (bottom)	356.1 x 247.7 x 20.20 mm (14.02 x 9.75 x 0.80 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with aluminium (top) and PC-ABS (bottom)	Starting at 1.78 kg (3.92 lbs)
Models with aluminium (top) and aluminium (bottom)	Starting at 1.81 kg (3.99 lbs)

**Case Color**

Black

**Case Material\*\***

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Realtek® RTL8111H-CG, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- MediaTek Wi-Fi® 6 MT7921, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[2]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[3]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

**Notes:**

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

[2], [3] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

- 1x Ethernet (RJ-45)

#### Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E16 Gen 2 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip\*\*

- Discrete TPM 2.0, TCG certified, FIPS 140-2 certified
- Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

## ACCESSORIES



## Bundled Accessories

### Bundled Accessories<sup>[1]</sup>

None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E16 Gen 2 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

25% PCC recycled plastic used in the battery pack enclosure  
30% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in standard 65W adapter  
Plastic free packaging  
Dry-pressed bamboo & sugarcane fiber Cushions  
FSC Certified paper in packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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 [PEAT.net](http://PEAT.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [PEAT.net](http://PEAT.net) for registration status by country.

### Other Certifications

## Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

- (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
  - (Optional) TÜV Rheinland® Low Blue Light (Software Solution)
- 
- 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.
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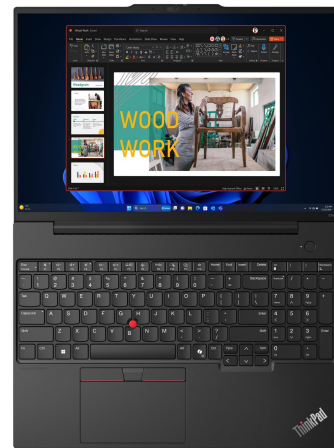
AMD



AMD



AMD



AMD

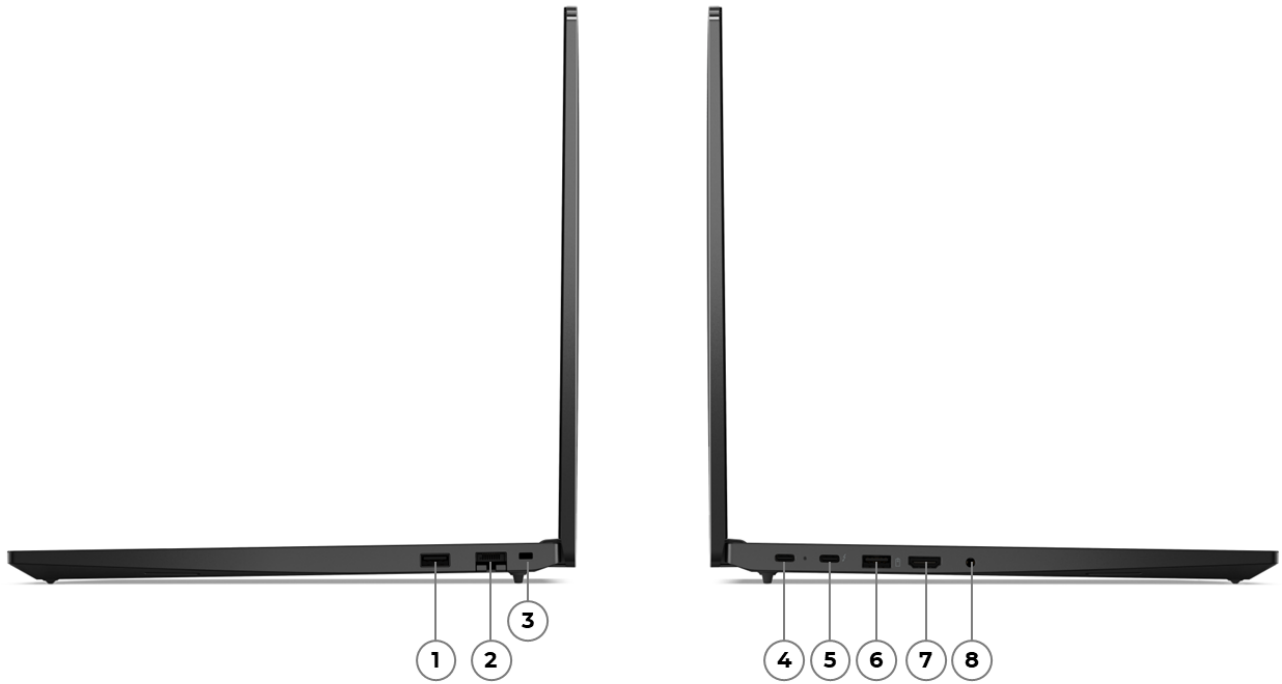


AMD



AMD

## OVERVIEW



1. USB-A (USB 5Gbps)	5. Thunderbolt 4
2. Ethernet (RJ-45)	6. USB-A (USB 10Gbps), Always On
3. Kensington Nano Security Slot	7. HDMI
4. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4	8. Headphone / microphone combo jack (3.5mm)

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[1]</sup>	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[2]</sup>	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

Notes:

[1], [2] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Ubuntu Linux<sup>[1]</sup>
- No preload operating system

Notes:

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

## Notes:

[1] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C®, and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@60Hz
- Thunderbolt™ supports up to 8K@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

Up to 64GB DDR5-5600

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600

## Notes:

[1] Maximum memory is only to test technical readiness of notebook but not shipped by Lenovo®.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB
- M.2 2280 SSD up to 1TB

### Storage Slot

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 slot
- One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

## Notes:

[1] The system supports dual SSD via two M.2 slots, but Lenovo® only offers one M.2 2242 SSD configuration and M.2 2280 slot for user self-extension.

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Senary SN6141 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®, audio by HARMAN

### Microphone

Dual-microphone array with smart noise-cancelling

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus, temporal noise reduction
- FHD 1080p, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 47Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 11.58 hr with 615 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.82 hr / 20.22 hr @200nits

Local video playback: up to 20.09 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 11.36 hr with 640 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.5 hr / 19.71 hr @200nits

Local video playback: up to 18.5 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.13 hr with 655 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 8.5 hr / 16.3 hr @200nits

Local video playback: up to 15.15 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® Core™ Ultra 5 125U, 8GB+8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® Core™ Ultra 5 125H, 16GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® Core™ Ultra 5 125H, 16GB DDR5, Win 11, 47Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light

											(Software)
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Software)
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0
16"	WQXGA (2560x1600)	None	IPS <sup>[4]</sup>	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
 Mylar® surface multi-touch touchpad, 68 x 115 mm (2.68 x 4.53 inches)

## Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Models with aluminium (top) and aluminium (bottom)	356.1 x 247.7 x 19.85 mm (14.02 x 9.75 x 0.78 inches)
Models with aluminium (top) and PC-ABS (bottom)	356.1 x 247.7 x 20.20 mm (14.02 x 9.75 x 0.80 inches)

#### Weight<sup>[2]</sup>

Models	Weight
Models with aluminium (top) and PC-ABS (bottom)	Starting at 1.78 kg (3.92 lbs)
Models with aluminium (top) and aluminium (bottom)	Starting at 1.81 kg (3.99 lbs)

#### Case Color

Black

#### Case Material\*\*

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), aluminium (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 Card
- Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[2]</sup>
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[3]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card<sup>[4]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

**Notes:**

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

[2], [3], [4] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

**Notes:**

[1] The transfer speed of the 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.

**Docking****Docking**

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® E16 Gen 2 \(Intel®\)](#)

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

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

## BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

## Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

# MANAGEABILITY

## System Management

### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

# SERVICE

## Warranty

### Base Warranty\*\*

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- No base warranty

# ACCESSORIES

## Bundled Accessories

### Bundled Accessories<sup>[1]</sup>

- Lenovo® 15.6" laptop casual toploader, polyester
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® E16 Gen 2 \(Intel®\)](#).

# OPERATING REQUIREMENTS

## Operating Environment

### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

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**Notes:**

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

25% PCC recycled plastic used in the battery pack enclosure  
30% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in standard 65W adapter  
Plastic free packaging  
Dry-pressed bamboo & sugarcane fiber Cushions  
FSC Certified paper in packaging

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**Notes:**

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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**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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- (Optional) TÜV Rheinland® Low Blue Light (Software Solution)

- 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.

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## OVERVIEW



1. Nano-SIM card slot (WWAN model) *	6. HDMI
2. Thunderbolt 4	7. USB-A (USB 5Gbps), Always On
3. USB-A (USB 5Gbps)	8. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4
4. Headphone / microphone combo jack (3.5mm)	9. Kensington Nano Security Slot
5. Pen slot *	10. Smart card reader *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024<sup>[1]</sup>
- Windows® 11 DG Windows® 10 Pro 64<sup>[2]</sup>
- Windows® 10 IoT Enterprise LTSC 2021<sup>[3]</sup>
- Ubuntu Linux<sup>[4]</sup>
- No preload operating system

#### Notes:

[1] Windows® 11 IoT Enterprise LTSC 2024 is for special bid only.

[2] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[3] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

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

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@120Hz
- Thunderbolt™ supports up to 8K@60Hz

### Chipset

**Chipset**

Intel® SoC (System on Chip) platform

**Memory****Max Memory**

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

**Memory Slots**

Memory soldered to systemboard, no slots, dual-channel

**Memory Type<sup>[1]</sup>**

LPDDR5-6400

Notes:

[1] Installed memory is actually LPDDR5-7500 but run as LPDDR5-6400 due to platform limitation.

**Storage****Storage Support<sup>[1]</sup>**

One drive, up to 1TB M.2 2280 SSD

**Storage Slot**

One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type**

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

**Removable Storage****Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- Front FHD 1080p + IR hybrid, with privacy shutter, fixed focus, temporal noise reduction
- Front FHD 1080p + IR hybrid, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus, temporal noise reduction
- Front HD 720p, with privacy shutter, fixed focus
- Front HD 720p, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus

**Battery****Battery<sup>[1]</sup>**

Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 11.03 hr with 564 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.3 hr / 22.3 hr @200nits

Local video playback: up to 18.34 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.8 hr with 604 performance score @250nits  
JEITA-BAT 3.0 (Video/Idle): up to 9.5 hr / 14.66 hr @200nits  
Local video playback: up to 14.15 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.6 hr with 628 performance score @250nits  
JEITA-BAT 3.0 (Video/Idle): up to 8.96 hr / 12.85 hr @200nits  
Local video playback: up to 13.03 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (touch), Intel® Core™ Ultra 5 125U, 8GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® Core™ Ultra 5 135U, 16GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® Core™ Ultra 7 165U, 32GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[1]</sup>	300nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	400nits	Anti-glare, anti-smudge	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, Eyesafe® Certified 2.0

#### Touchscreen

OGS (One Glass Solution) multi-touch, supports 10-point touch



## Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Multi-mode

### Multi-mode

Laptop, tent, stand, and tablet modes supported by 360° hinge

## Input Device

### Pen

- Lenovo® Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen

### Keyboard

6-row, spill-resistant, multimedia Fn keys

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

305 x 218 x 17.06 mm (12.0 x 8.58 x 0.67 inches)

### Weight<sup>[2]</sup>

Starting at 1.32 kg (2.92 lbs)

### Case Color\*\*

- Black
- Grey

### Case Material

Aluminium (top), GFRP (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<sup>[1]</sup>

No onboard Ethernet

### WLAN + Bluetooth®<sup>[2]</sup>

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

- Near Field Communication
- No support

**Notes:**

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

**Notes:**

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L13 2-in-1 Gen 5 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L13 2-in-1 Gen 5 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without packaging: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
30% PCC recycled plastic used in bottom cover material

50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in standard adapter  
90% PCC recycled plastic used in slim adapter  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

• 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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## OVERVIEW



1. Nano-SIM card slot *	6. USB 3.2 Gen 1 (Always On)
2. USB-C 3.2 Gen 2	7. USB-C 3.2 Gen 2
3. USB 3.2 Gen 1	8. Kensington Nano Security Slot
4. Headphone / microphone combo jack (3.5mm)	9. Smart card reader *
5. HDMI	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 7330U	4	8	2.3GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 PRO 7530U	6	12	2.0GHz	4.5GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 7 PRO 7730U	8	16	2.0GHz	4.5GHz	4MB L2 / 16MB L3	AMD Radeon™ Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

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

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®). More external displays can be supported via docking or daisy chain.

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x2880@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

DDR4-3200

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2242 SSD

**Storage Slot**

One M.2 2242 PCIe® 3.0 x4 slot

**Storage Type<sup>[2]</sup>**

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

[2] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0 x4 due to AMD platform limitations.

**Removable Storage****Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™ Premium

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

**Battery****Battery<sup>[1]</sup>**

Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 10.65 hr with 574 performance score @250nits

JEITA 2.0: up to 15.16 hr @150nits

Local video playback: up to 13.65 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.12 hr with 546 performance score @250nits

JEITA 2.0: up to 12.59 hr @150nits

Local video playback: up to 11.79 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.06 hr with 503 performance score @250nits

JEITA 2.0: up to 13.14 hr @150nits

Local video playback: up to 12.13 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 PRO 7730U, 16GB DDR4, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), AMD Ryzen™ 5 7530U PRO, 16GB DDR4, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), AMD Ryzen™ 3 7330U, 8GB DDR4, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	1000:1	72% NTSC	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, TÜV Low Blue Light

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

### Mechanical

**Dimensions (WxDxH)<sup>[1]</sup>**

305 x 218 x 17.23 mm (12.0 x 8.58 x 0.68 inches)

**Weight<sup>[2]</sup>**

Starting at 1.26 kg (2.78 lbs)

**Case Color<sup>\*\*</sup>**

- Storm grey
- Thunder black

**Case Material**

Aluminium (top), GFRP (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<sup>[1]</sup>**

No onboard Ethernet

**WLAN + Bluetooth<sup>®</sup><sup>[2]</sup>**

AMD Wi-Fi<sup>®</sup> 6E RZ616, 802.11ax 2x2 Wi-Fi<sup>®</sup> + Bluetooth<sup>®</sup> 5.3

**WWAN<sup>\*\*</sup>**

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi<sup>®</sup> 6E full features might be limited by country-level restrictions.

Wi-Fi<sup>®</sup> 6E is only enabled on Windows<sup>®</sup> 11 and operates as Wi-Fi<sup>®</sup> 6 with Windows<sup>®</sup> 10.

6GHz Wi-Fi<sup>®</sup> 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi<sup>®</sup> 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth<sup>®</sup> 5.3 operation requires Windows<sup>®</sup> 11. For more information please visit [General Bluetooth<sup>®</sup> Support Information on Microsoft<sup>®</sup>](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB-C<sup>®</sup> 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI<sup>®</sup> 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

**Optional Ports<sup>\*\*\*</sup>**

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L13 Gen 4 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- DASH
- Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

## Bundled Accessories

### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to HDMI® Adapter
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to USB-C® Cable 2m
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L13 Gen 4 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

(Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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AMD



AMD



AMD



AMD



AMD



AMD

## OVERVIEW



1. Nano-SIM card slot *	6. USB 3.2 Gen 1 (Always On)
2. Thunderbolt 4	7. USB-C 3.2 Gen 2
3. USB 3.2 Gen 1	8. Kensington Nano Security Slot
4. Headphone / microphone combo jack (3.5mm)	9. Smart card reader *
5. HDMI	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U Series Core i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel® Iris® Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x3200@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable



## Memory Slots

Memory soldered to systemboard, no slots, dual-channel

## Memory Type<sup>[1]</sup>

LPDDR5-4800

Notes:

[1] Installed memory is actually LPDDR5-6400 but run as LPDDR5-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 10.61 hr with 621 performance score @250nits

JEITA 2.0: up to 20.03 hr @150nits

Local video playback: up to 16.71 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 10.16 hr with 705 performance score @250nits

JEITA 2.0: up to 16.21 hr @150nits

Local video playback: up to 14.9 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.6 hr with 709 performance score @250nits

JEITA 2.0: up to 14.21 hr @150nits

Local video playback: up to 12.9 hr @150nits

## Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® i3-1315U, 8GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® i5-1345U, 16GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® i7-1365U, 32GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

## Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## 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
13.3"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	1000:1	72% NTSC	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, TÜV Low Blue Light

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

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

### Input Device

#### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

305 x 218 x 17.23 mm (12.0 x 8.58 x 0.68 inches)

### Weight<sup>[2]</sup>

Starting at 1.26 kg (2.78 lbs)

### Case Color\*\*

- Storm grey
- Thunder black

### Case Material

Aluminium (top), GFRP (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<sup>[1]</sup>

No onboard Ethernet

#### WLAN + Bluetooth®\*\*

- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2<sup>[2]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6 full features might be limited by country-level restrictions. Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L13 Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

## Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*[1]

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to HDMI® Adapter
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to USB-C® Cable 2m
- Lenovo® USB-C® to VGA Adapter
- None

## Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L13 Gen 4 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

## Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
Low-temperature solder

90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

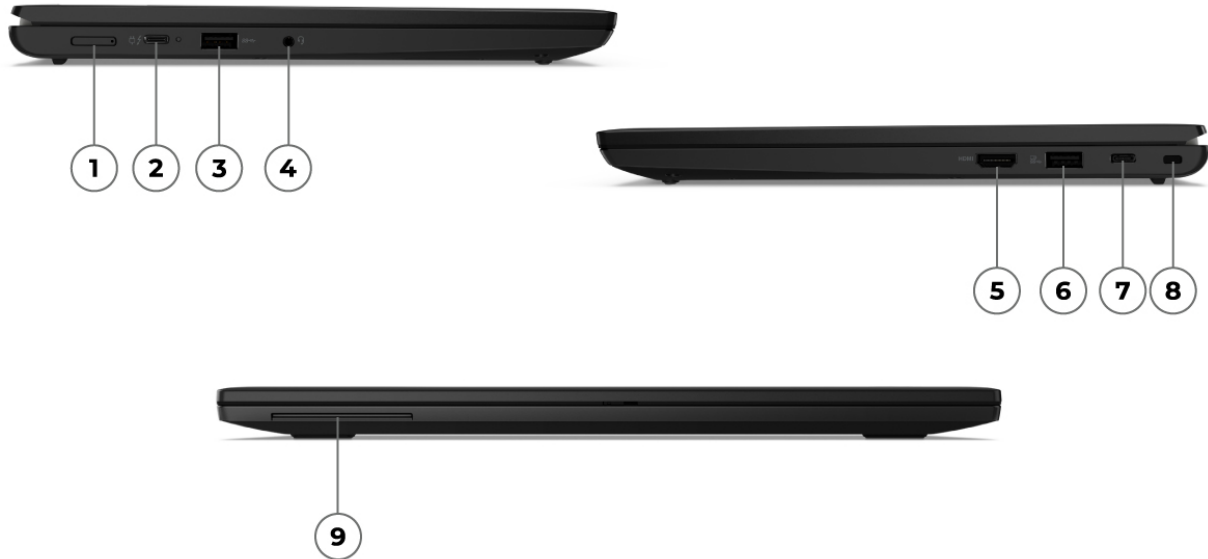
#### Other Certifications

(Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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## OVERVIEW



1. Nano-SIM card slot (WWAN model) *	6. USB-A (USB 5Gbps), Always On
2. Thunderbolt 4	7. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4
3. USB-A (USB 5Gbps)	8. Kensington Nano Security Slot
4. Headphone / microphone combo jack (3.5mm)	9. Smart card reader *
5. HDMI	

Notes:

- Items with \* are only available on selected models



## PERFORMANCE

### Processor

#### Processor Family

Intel® U Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

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

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@120Hz
- Thunderbolt™ supports up to 8K@60Hz

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type<sup>[1]</sup>

LPDDR5-6400

Notes:

[1] Installed memory is actually LPDDR5-7500 but run as LPDDR5-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 11.3 hr with 576 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.97 hr / 27.34 hr @200nits

Local video playback: up to 20.57 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.93 hr with 656 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 9.95 hr / 18.7 hr @200nits

Local video playback: up to 15.92 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.86 hr with 619 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 9.31 hr / 14.42 hr @200nits

Local video playback: up to 14.42 hr @150nits

## Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® Core™ Ultra 5 125U, 8GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® Core™ Ultra 5 135U, 16GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® Core™ Ultra 7 165U, 32GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

## Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	300nits	Anti-glare	16:10	1000:1	72% NTSC	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS <sup>[4]</sup>	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

305 x 218 x 17.23 mm (12.0 x 8.58 x 0.68 inches)

### Weight<sup>[2]</sup>

Starting at 1.23 kg (2.71 lbs)

### Case Color\*\*

- Black
- Grey

### Case Material

Aluminium (top), GFRP (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®<sup>[2]</sup>

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

## Standard Ports

- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

## Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L13 Gen 5 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

### Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

<sup>[1]</sup> For more compatible accessory solutions, please visit [Accessories for ThinkPad® L13 Gen 5 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without packaging: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

<sup>[1]</sup> When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
30% PCC recycled plastic used in bottom cover material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in standard adapter  
90% PCC recycled plastic used in slim adapter  
90% recycled and/or sustainable packaging

Notes:

<sup>[1]</sup> PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

## Green Certifications<sup>[1]</sup>

### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

#### 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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## OVERVIEW



1. Nano-SIM card slot *	6. HDMI
2. USB-C 3.2 Gen 2	7. USB 3.2 Gen 1 (Always On)
3. USB 3.2 Gen 1	8. USB-C 3.2 Gen 2
4. Headphone / microphone combo jack (3.5mm)	9. Kensington Nano Security Slot
5. Pen slot *	10. Smart card reader *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 7330U	4	8	2.3GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 PRO 7530U	6	12	2.0GHz	4.5GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 7 PRO 7730U	8	16	2.0GHz	4.5GHz	4MB L2 / 16MB L3	AMD Radeon™ Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

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

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®). More external displays can be supported via docking or daisy chain.

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x2880@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

DDR4-3200

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2242 SSD

**Storage Slot**

One M.2 2242 PCIe® 3.0 x4 slot

**Storage Type<sup>[2]</sup>**

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

[2] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0 x4 due to AMD platform limitations.

**Removable Storage****Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™ Premium

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- Front FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- Front FHD 1080p + IR hybrid, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus
- Front FHD 1080p, with privacy shutter, fixed focus
- Front FHD 1080p, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus
- Front HD 720p, with privacy shutter, fixed focus
- Front HD 720p, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus

**Battery****Battery<sup>[1]</sup>**

Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 10.91 hr with 572 performance score @25Onits

JEITA 2.0: up to 15.07 hr @15Onits

Local video playback: up to 13.57 hr @15Onits

Alternate configuration 2

MobileMark® 25: up to 9.65 hr with 544 performance score @25Onits

JEITA 2.0: up to 13.05 hr @15Onits

Local video playback: up to 12.28 hr @15Onits

Alternate configuration 3

MobileMark® 25: up to 9.29 hr with 508 performance score @25Onits

JEITA 2.0: up to 13.5 hr @15Onits

Local video playback: up to 12.71 hr @15Onits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (touch), AMD Ryzen™ 7 PRO 7730U, 16GB DDR4, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 7530U PRO, 16GB DDR4, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), AMD Ryzen™ 3 7330U, 8GB DDR4, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

<sup>[1]</sup> AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	400nits	Anti-glare, anti-smudge	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, TÜV Low Blue Light

#### Touchscreen

OGS (One Glass Solution) multi-touch, supports 10-point touch

Notes:

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

### Multi-mode

#### Multi-mode

Laptop, tent, stand, and tablet modes supported by 360° hinge

### Input Device

#### Pen

- Lenovo® Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen<sup>[1]</sup>

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

#### Keyboard Backlight

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Notes:

[1] Customer needs to purchase an external pen separately.

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

305 x 218 x 17.06 mm (12.0 x 8.58 x 0.67 inches)

**Weight<sup>[2]</sup>**

Starting at 1.31 kg (2.89 lbs)

**Case Color\*\***

- Storm grey
- Thunder black

**Case Material**

Aluminium (top), GFRP (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<sup>[1]</sup>**

No onboard Ethernet

**WLAN + Bluetooth<sup>®</sup><sup>[2]</sup>**

AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

## Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)

- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L13 Yoga® Gen 4 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- DASH
- Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to HDMI® Adapter
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to USB-C® Cable 2m
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L13 Yoga® Gen 4 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without packaging: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0

- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

## 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

(Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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AMD



AMD



AMD



AMD



AMD



AMD

## OVERVIEW



1. Nano-SIM card slot *	6. HDMI
2. Thunderbolt 4	7. USB 3.2 Gen 1 (Always On)
3. USB 3.2 Gen 1	8. USB-C 3.2 Gen 2
4. Headphone / microphone combo jack (3.5mm)	9. Kensington Nano Security Slot
5. Pen slot *	10. Smart card reader *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U Series Core i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Windows® 10 IoT Enterprise LTSC 2021
- Ubuntu Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel® Iris® Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x3200@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type<sup>[1]</sup>

LPDDR5-4800

Notes:

[1] Installed memory is actually LPDDR5-6400 but run as LPDDR5-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- Front FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- Front FHD 1080p + IR hybrid, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus
- Front FHD 1080p, with privacy shutter, fixed focus
- Front FHD 1080p, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus
- Front HD 720p, with privacy shutter, fixed focus
- Front HD 720p, with privacy shutter, fixed focus; rear 5.0-megapixel, autofocus

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 10.76 hr with 628 performance score @250nits

JEITA 2.0: up to 20.83 hr @150nits

Local video playback: up to 16.23 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 10.25 hr with 569 performance score @250nits

JEITA 2.0: up to 15.33 hr @150nits

Local video playback: up to 13.3 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.35 hr with 726 performance score @250nits

JEITA 2.0: up to 13.28 hr @150nits  
Local video playback: up to 11.57 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (touch), Intel® i3-1315U, 8GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® i5-1345U, 16GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® i7-1365U, 32GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## 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
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	400nits	Anti-glare, anti-smudge	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, TÜV Low Blue Light

### Touchscreen

OGS (One Glass Solution) multi-touch, supports 10-point touch

Notes:

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

## Multi-mode

### Multi-mode

Laptop, tent, stand, and tablet modes supported by 360° hinge

## Input Device

### Pen

- Lenovo® Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen<sup>[1]</sup>

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

Notes:

[1] Customer needs to purchase an external pen separately.

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

305 x 218 x 17.06 mm (12.0 x 8.58 x 0.67 inches)

### Weight<sup>[2]</sup>

Starting at 1.32 kg (2.92 lbs)

### Case Color\*\*

- Storm grey
- Thunder black

### Case Material

Aluminium (top), GFRP (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<sup>[1]</sup>

No onboard Ethernet

#### WLAN + Bluetooth®\*\*

- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2<sup>[2]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6 full features might be limited by country-level restrictions.  
Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.  
Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.  
6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.  
Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L13 Yoga® Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter

- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to HDMI® Adapter
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to USB-C® Cable 2m
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L13 Yoga® Gen 4 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL



## Sustainability

### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

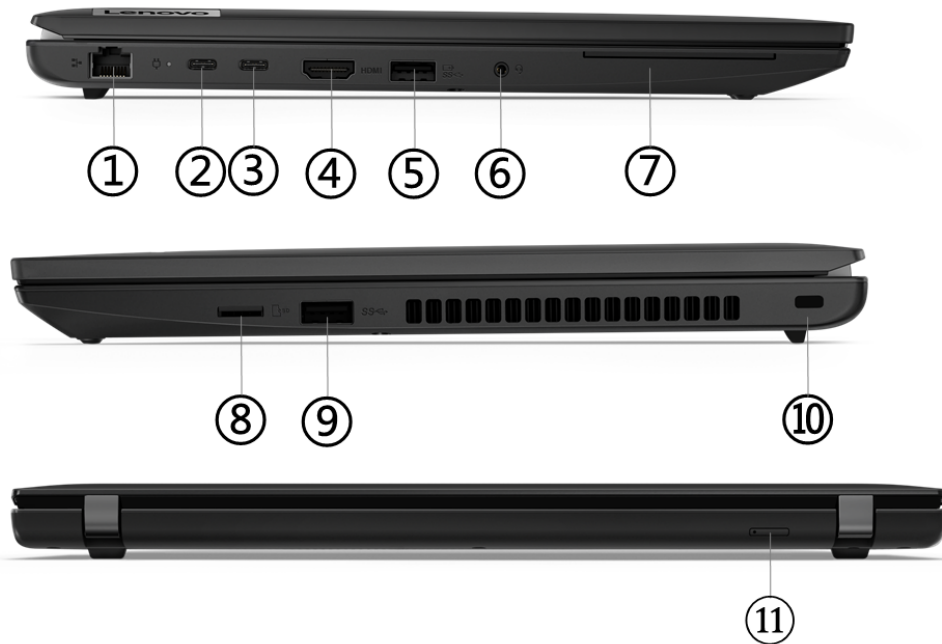
#### Other Certifications

(Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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## OVERVIEW



1. Ethernet (RJ-45)	7. Smart card reader *
2. USB-C 3.2 Gen 2	8. microSD card reader
3. USB-C 3.2 Gen 2	9. USB 3.2 Gen 1
4. HDMI	10. Kensington Nano Security Slot
5. USB 3.2 Gen 1 (Always On)	11. Nano-SIM card slot (WWAN model) *
6. Headphone / microphone combo jack (3.5mm)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 PRO 7330U	4	8	2.3GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 PRO 7530U	6	12	2.0GHz	4.5GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 7 PRO 7730U	8	16	2.0GHz	4.5GHz	4MB L2 / 16MB L3	AMD Radeon™ Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®). More external displays can be supported via docking or daisy chain.

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x2880@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 64GB DDR4-3200

#### Memory Slots

Two DDR4 SO-DIMM 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

**Storage Support<sup>[1]</sup>**

One drive, up to 2TB M.2 2242 SSD

**Storage Slot**

One M.2 2242 PCIe® 3.0 x4 slot

**Storage Type<sup>[2]</sup>**

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB / 2TB	Opal 2.0

Notes:

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

[2] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0 x4 due to AMD platform limitations.

**Removable Storage****Card Reader**

microSD card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

**Battery****Battery\*\*<sup>[1]</sup>**

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 14.12 hr with 605 performance score @250nits

JEITA 2.0: up to 20.8 hr @150nits

Local video playback: up to 17.83 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 10.34 hr with 513 performance score @250nits

JEITA 2.0: up to 16.01 hr @150nits

Local video playback: up to 15.78 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 8.42 hr with 507 performance score @250nits

JEITA 2.0: up to 13.03 hr @150nits

Local video playback: up to 12.88 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): HD (non-touch), AMD Ryzen™ 7 PRO 7730U, 8GB DDR4, Win 11, 63Wh battery, best power efficiency power mode

Alternate configuration 2: FHD (touch), AMD Ryzen™ 5 PRO 7530U, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: FHD (touch), AMD Ryzen™ 5 PRO 7530U, 16GB DDR4, Win 11, 46.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	HD (1366x768)	None	TN	220nits	Anti-glare	16:9	500:1	45% NTSC	60Hz	45° / 45° / 15° / 35°	-
14"	FHD (1920x1080)	None	IPS	250nits	Anti-glare	16:9	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
14"	FHD (1920x1080)	Multi-touch	IPS	300nits	Anti-glare	16:9	1000:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
14"	FHD (1920x1080)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:9	1500:1	72% NTSC	60Hz	85° / 85° / 85° / 85°	Low power

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

#### Keyboard Backlight

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

Models	Dimensions
Aluminium (top), PC-CF (bottom) models	325.4 x 217 x 18.73 mm (12.81 x 8.54 x 0.74 inches)
Aluminium (top), PC-ABS (bottom) models	325.4 x 217 x 18.93 mm (12.81 x 8.54 x 0.75 inches)
PC-ABS (top), PC-CF (bottom) models	325.4 x 217 x 19.63 mm (12.81 x 8.54 x 0.77 inches)
PC-ABS (top), PC-ABS (bottom) models	325.4 x 217 x 19.83 mm (12.81 x 8.54 x 0.78 inches)

**Weight<sup>[2]</sup>**

Starting at 1.4 kg (3.09 lbs)

**Case Color**

Thunder black

**Case Material<sup>\*\*</sup>**

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), PC-CF (bottom)
- PC-ABS (top), PC-ABS (bottom)
- PC-ABS (top), PC-CF (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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth<sup>\*\*</sup>**

- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[1]</sup>
- AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card<sup>[2]</sup>
- No WLAN and Bluetooth®

**WWAN<sup>\*\*</sup>**

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1], [2] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>**

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x microSD card reader

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

#### 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L14 Gen 4 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

DASH

## SERVICE



## Warranty

### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

<sup>[1]</sup> For more compatible accessory solutions, please visit [Accessories for ThinkPad® L14 Gen 4 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

<sup>[1]</sup> When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
30% PCC recycled plastic used in bottom cover material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
45% PCC recycled plastic used in SIM tray  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

<sup>[1]</sup> PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

## Green Certifications<sup>[1]</sup>

### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

#### 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

- 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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AMD



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AMD



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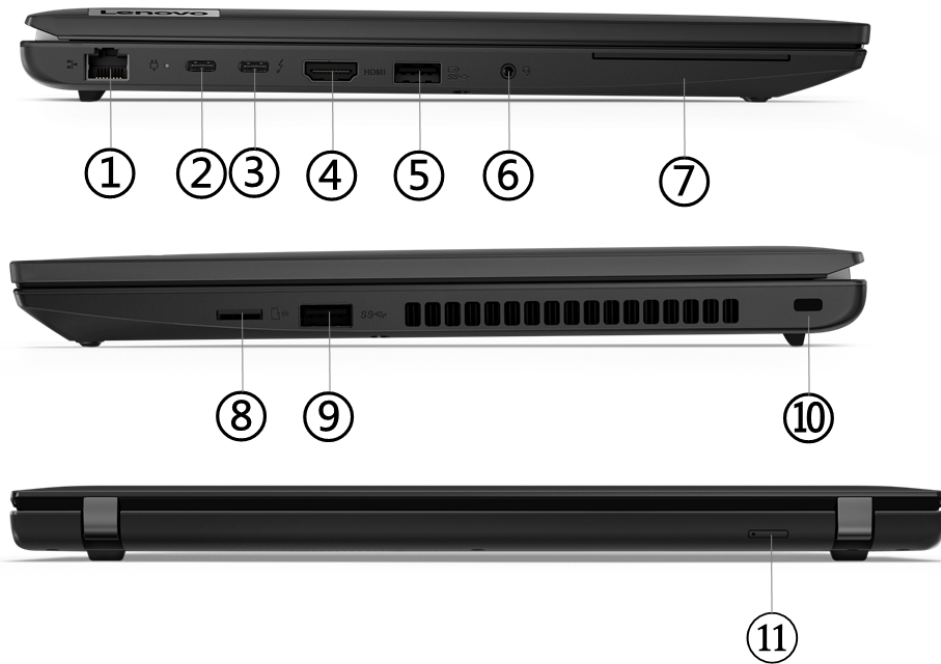


AMD



AMD

## OVERVIEW



1. Ethernet (RJ-45)	7. Smart card reader *
2. USB-C 3.2 Gen 2	8. microSD card reader
3. Thunderbolt 4	9. USB 3.2 Gen 1
4. HDMI	10. Kensington Nano Security Slot
5. USB 3.2 Gen 1 (Always On)	11. Nano-SIM card slot *
6. Headphone / microphone combo jack (3.5mm)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U-series or 13th Generation Intel® U or P Series Core i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
U300	5 (1 P-core + 4 E-core)	6	P-core 1.2GHz / E-core 0.9GHz	P-core 4.4GHz / E-core 3.3GHz	8MB	Intel® UHD Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[1]</sup>
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[2]</sup>
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics <sup>[3]</sup>
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics <sup>[4]</sup>
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics <sup>[5]</sup>
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics <sup>[6]</sup>
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics <sup>[7]</sup>
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics <sup>[8]</sup>
Core 3 100U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 900MHz	P-core 4.7GHz / E-core 3.3GHz	10MB	Intel® Graphics

Notes:

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

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® GeForce MX550 <sup>[2]</sup>	Discrete	2GB GDDR6	-	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.

[2] NVIDIA® GeForce MX550 is NOT available in EMEA.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x3200@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

Up to 64GB DDR4-3200

### Memory Slots

Two DDR4 SO-DIMM 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

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB / 2TB	Opal 2.0

**Notes:**

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

## Removable Storage

### Card Reader

microSD card reader

## Multi-Media

### Audio Chip

- Non-vPro® models: High Definition (HD) Audio, Realtek® ALC3287 codec
- vPro® models: High Definition (HD) Audio, Senary SN6147 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

#### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery

#### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter

#### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 14.38 hr @250nits

JEITA 2.0: up to 27.39 hr @150nits

Local video playback: up to 28.77 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.35 hr @250nits

JEITA 2.0: up to 16.86 hr @150nits

Local video playback: up to 16.67 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 7.6 hr @250nits

JEITA 2.0: up to 15.38 hr @150nits

Local video playback: up to 30.01 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): FHD (non-touch), Intel® i3-1315U, 8GB DDR4, Win 11, 63Wh battery, best power efficiency power mode

Alternate configuration 2: FHD (non-touch), Intel® i5-1350P, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: FHD (touch), Intel® i7-1360P, 64GB DDR4, NVIDIA® Geforce MX550, Win 11, 63Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

#### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

## Display

### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	HD (1366x768)	None	TN	220nits	Anti-glare	16:9	500:1	45% NTSC	60Hz	45° / 45° / 15° / 35°	-
14"	FHD (1920x1080)	None	IPS	250nits	Anti-glare	16:9	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
14"	FHD (1920x1080)	Multi-touch	IPS	300nits	Anti-glare	16:9	1000:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
14"	FHD (1920x1080)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:9	1500:1	72% NTSC	60Hz	85° / 85° / 85° / 85°	Low power

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Aluminium (top), PC-CF (bottom) models	325.4 x 217 x 18.73 mm (12.81 x 8.54 x 0.74 inches)
Aluminium (top), PC-ABS (bottom) models	325.4 x 217 x 18.93 mm (12.81 x 8.54 x 0.75 inches)
PC-ABS (top), PC-CF (bottom) models	325.4 x 217 x 19.63 mm (12.81 x 8.54 x 0.77 inches)
PC-ABS (top), PC-ABS (bottom) models	325.4 x 217 x 19.83 mm (12.81 x 8.54 x 0.78 inches)

### Weight<sup>[2]</sup>

Starting at 1.4 kg (3.09 lbs)

### Case Color

Thunder black

### Case Material\*\*

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), PC-CF (bottom)
- PC-ABS (top), PC-ABS (bottom)
- PC-ABS (top), PC-CF (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®\*\*

- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 Card<sup>[1]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card<sup>[2]</sup>
- No WLAN and Bluetooth®

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

#### Notes:

[1] Wi-Fi® 6 full features might be limited by country-level restrictions. Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions. Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10. 6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation. Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

#### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x microSD card reader

#### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

#### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L14 Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel® vPro® Enterprise<sup>[1]</sup>
- Intel® vPro® Essentials<sup>[2]</sup>
- Non-vPro®

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Notes:

[1], [2] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter

- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to VGA Adapter
- None

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Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L14 Gen 4 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

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Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
45% PCC recycled plastic used in SIM tray  
Low-temperature solder  
90% recycled and/or sustainable packaging

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Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

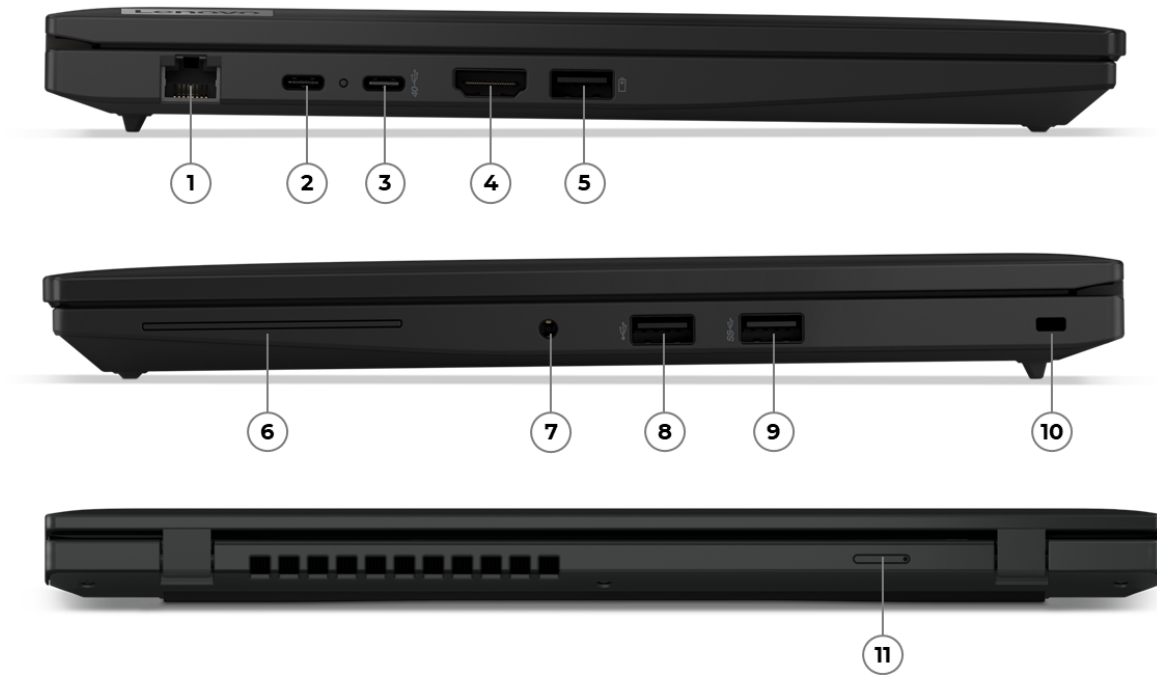
## Mil-Spec Test

MIL-STD-810H military test passed

- 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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## OVERVIEW



1. Ethernet (RJ-45)	7. Headphone / microphone combo jack (3.5mm)
2. USB-C (USB 10Gbps), with USB PD 3.0 & DP 1.4	8. USB-A (Hi-Speed USB)
3. USB-C (USB4 40Gbps), with USB PD 3.0 & DP 1.4	9. USB-A (USB 5Gbps)
4. HDMI	10. Kensington Nano Security Slot
5. USB-A (USB 5Gbps), Always On	11. Nano-SIM card slot (WWAN model) *
6. Smart card reader *	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 PRO 7335U	4	8	3.0GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ 660M
AMD Ryzen™ 5 PRO 7535U	6	12	2.9GHz	4.55GHz	3MB L2 / 16MB L3	AMD Radeon™ 660M
AMD Ryzen™ 7 PRO 7735U	8	16	2.7GHz	4.75GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024<sup>[1]</sup>
- Windows® 11 DG Windows® 10 Pro 64<sup>[2]</sup>
- Windows® 10 IoT Enterprise LTSC 2021<sup>[3]</sup>
- Ubuntu Linux<sup>[4]</sup>
- IGEL Linux
- Linux<sup>[5]</sup>
- No preload operating system

#### Notes:

[1] Windows® 11 IoT Enterprise LTSC 2021 is for special bid only.

[2] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[3] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[4], [5] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 660M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 680M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and USB4®)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@120Hz
- USB4® supports up to 5K@120Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

Up to 64GB DDR5-4800

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Memory Type<sup>[1]</sup>

DDR5-4800

Notes:

[1] Installed memory is actually DDR5-5600 but may run as DDR5-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 13.55 hr with 640 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.46 hr / 19.56 hr @200nits

Local video playback: up to 17.6 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 10.48 hr with 685 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 7.22 hr / 13.3 hr @200nits

Local video playback: up to 12.0 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 8.83 hr with 626 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 6.66 hr / 12.67 hr @200nits

Local video playback: up to 11.16 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the



computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 PRO 7735U, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), AMD Ryzen™ 5 PRO 7535U, 8GB+8GB DDR5, Win 11, 46.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), AMD Ryzen™ 3 PRO 7335U, 32GB+32GB DDR5, Win 11, 46.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## 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
14"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	3M™ DBEF5 <sup>[2]</sup>
14"	WUXGA (1920x1200)	Multi-touch	IPS	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	Eyesafe® Certified 2.0, 3M™ DBEF5 <sup>[3]</sup>
14"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

[2], [3] 3M™ DBEF5 (Dual Brightness Enhancement Film) improves the experience with higher brightness and lower energy.

### Input Device

#### Pen

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys, Copilot key

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Mylar® surface multi-touch touchpad, 60 x 115 mm (2.36 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

Models	Dimensions
Models with aluminium (top) and PC-CF (bottom)	313.7 x 226 x 18.66 mm (12.35 x 8.90 x 0.73 inches)
Models with aluminium (top) and PC-ABS (bottom)	313.7 x 226 x 18.76 mm (12.35 x 8.90 x 0.74 inches)
Models with PC-ABS (top) and PC-ABS (bottom)	313.7 x 226 x 18.92 mm (12.35 x 8.90 x 0.74 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with aluminium (top) and PC-ABS (bottom)	Starting at 1.38 kg (3.04 lbs)
Models with aluminium (top) and PC-CF (bottom)	Starting at 1.36 kg (2.99 lbs)
Models with PC-ABS (top) and PC-ABS (bottom)	Starting at 1.41 kg (3.11 lbs)

**Case Color**

Black

**Case Material\*\***

- Aluminium (top), PC-ABS (bottom)
- Aluminium (top), PC-CF (bottom)
- 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, Realtek® RTL8111EPV (DASH models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth<sup>[1]</sup>**

Qualcomm® Wi-Fi® 6E NFA725, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

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

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L14 Gen 5 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

## System Management

### System Management

DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L14 Gen 5 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on top cover  
60% PCC recycled on keyboard frame  
50% PCC recycled on PC/ABS bottom cover  
30% PCC recycled on PC/CF bottom cover  
85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in slim 65W adapters

Low-temperature solder  
FSC Certified Plastic Free Packaging

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Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
  - EPEAT™ Gold Registered<sup>[3]</sup>
  - ErP Lot 6/26
  - RoHS compliant
  - TCO Certified 9.0
- 

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

• 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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• The specifications on this page may not be available in all regions, and may be changed or updated without notice.



AMD



AMD



AMD



AMD



AMD



AMD

## OVERVIEW



1. Ethernet (RJ-45)	7. Headphone / microphone combo jack (3.5mm)
2. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4	8. USB-A (Hi-Speed USB)
3. Thunderbolt 4	9. USB-A (USB 5Gbps)
4. HDMI	10. Kensington Nano Security Slot
5. USB-A (USB 5Gbps), Always On	11. Nano-SIM card slot (WWAN model) *
6. Smart card reader *	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[1]</sup>	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.6GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[2]</sup>	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[3]</sup>	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

Notes:

[1], [2], [3] Intel® Arc™ Graphics only available on [select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Windows® 10 IoT Enterprise LTSC 2021<sup>[2]</sup>
- Ubuntu Linux<sup>[3]</sup>
- IGEL Linux
- Linux<sup>[4]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[3], [4] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST



RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

## Graphics

### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

Notes:

[1] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@120Hz
- Thunderbolt™ supports up to 8K@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

Up to 64GB DDR5-5600

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600

Notes:

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

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Senary SN6147 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*[1]

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 14.65 hr with 574 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 13.6 hr / 32.39 hr @200nits

Local video playback: up to 25.56 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 14.12 hr with 626 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 13.26 hr / 28.5 hr @200nits

Local video playback: up to 23.78 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 10.86 hr with 626 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 6.9 hr / 17.5 hr @200nits

Local video playback: up to 14.53 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® Core™ Ultra 5 125U, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), Intel® Core™ Ultra 5 125H, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), Intel® Core™ Ultra 5 125H, 8GB+8GB DDR5, Win 11, 46.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	3M™ DBEF5 <sup>[2]</sup>
14"	WUXGA (1920x1200)	Multi-touch	IPS	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	Eyesafe® Certified 2.0, 3M™ DBEF5 <sup>[3]</sup>
14"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

#### Notes:

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

[2], [3] 3M™ DBEF5 (Dual Brightness Enhancement Film) improves the experience with higher brightness and lower energy.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
 Mylar® surface multi-touch touchpad, 60 x 115 mm (2.36 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Models with aluminium (top) and PC-CF (bottom)	313.7 x 226 x 18.66 mm (12.35 x 8.90 x 0.73 inches)
Models with aluminium (top) and PC-ABS (bottom)	313.7 x 226 x 18.76 mm (12.35 x 8.90 x 0.74 inches)
Models with PC-ABS (top) and PC-ABS (bottom)	313.7 x 226 x 18.92 mm (12.35 x 8.90 x 0.74 inches)

#### Weight<sup>[2]</sup>

Models	Weight
Models with PC-ABS (top) and PC-ABS (bottom)	Starting at 1.4 kg (3.09 lbs)
Models with aluminium (top) and PC-ABS (bottom)	Starting at 1.38 kg (3.04 lbs)
Models with aluminium (top) and PC-CF (bottom)	Starting at 1.36 kg (2.99 lbs)

#### Case Color

Black

#### Case Material\*\*

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

- Aluminium (top), PC-CF (bottom)
- 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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®\*\*[1]

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

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**Notes:**

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

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] 6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

#### Standard Ports

- 1x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

#### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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**Notes:**

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L14 Gen 5 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel® vPro® Enterprise<sup>[1]</sup>
- Intel® vPro® Essentials<sup>[2]</sup>
- Non-vPro®

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Notes:

[1], [2] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

## Bundled Accessories

### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L14 Gen 5 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without packaging: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on top cover  
60% PCC recycled on keyboard frame  
50% PCC recycled on PC/ABS bottom cover  
30% PCC recycled on PC/CF bottom cover  
85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in slim 65W adapters  
Low-temperature solder  
FSC Certified Plastic Free Packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

## 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- 
- 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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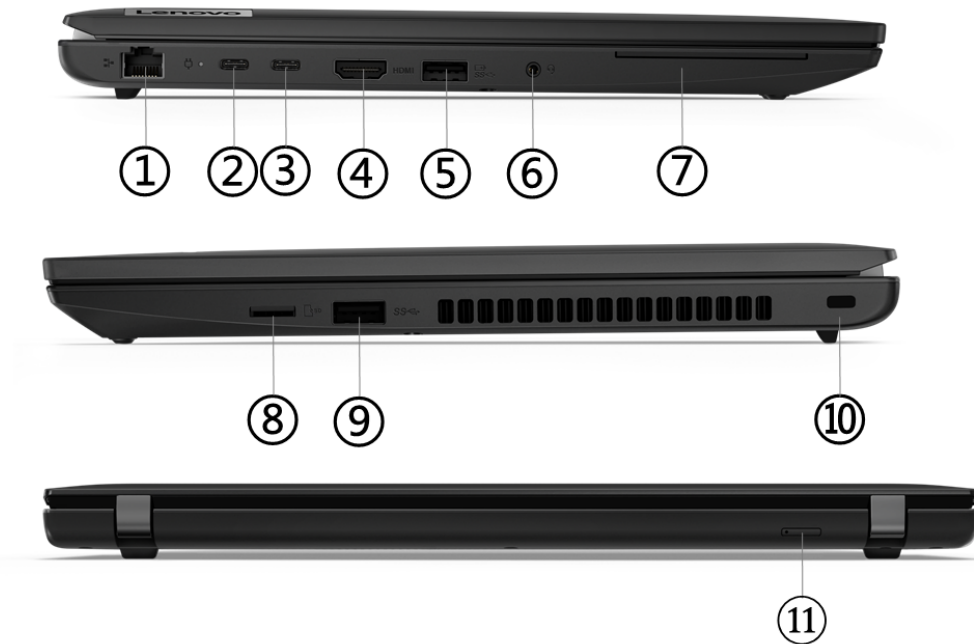
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## OVERVIEW



1. Ethernet (RJ-45)	7. Smart card reader *
2. USB-C 3.2 Gen 2	8. microSD card reader
3. USB-C 3.2 Gen 2	9. USB 3.2 Gen 1
4. HDMI	10. Kensington Nano Security Slot
5. USB 3.2 Gen 1 (Always On)	11. Nano-SIM card slot (WWAN model) *
6. Headphone / microphone combo jack (3.5mm)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 PRO 7330U	4	8	2.3GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 5 PRO 7530U	6	12	2.0GHz	4.5GHz	3MB L2 / 16MB L3	AMD Radeon™ Graphics
AMD Ryzen™ 7 PRO 7730U	8	16	2.0GHz	4.5GHz	4MB L2 / 16MB L3	AMD Radeon™ Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system<sup>[3]</sup>

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

[3] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®). More external displays can be supported via docking or daisy chain.

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x2880@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 64GB DDR4-3200

#### Memory Slots

Two DDR4 SO-DIMM 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

**Storage Support<sup>[1]</sup>**

One drive, up to 2TB M.2 2242 SSD

**Storage Slot**

One M.2 2242 PCIe® 3.0 x4 slot

**Storage Type<sup>[2]</sup>**

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB / 2TB	Opal 2.0

Notes:

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

[2] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0 x4 due to AMD platform limitations.

**Removable Storage****Card Reader**

microSD card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

**Battery****Battery\*\*<sup>[1]</sup>**

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 12.18 hr with 607 performance score @250nits

JEITA 2.0: up to 18.1 hr @150nits

Local video playback: up to 17.45 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.31 hr with 512 performance score @250nits

JEITA 2.0: up to 15.12 hr @150nits

Local video playback: up to 15.32 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 7.52 hr with 509 performance score @250nits

JEITA 2.0: up to 12.33 hr @150nits

Local video playback: up to 12.46 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): FHD (non-touch), AMD Ryzen™ 7 PRO 7730U, 8GB DDR4, Win 11, 63Wh battery, best power efficiency power mode

Alternate configuration 2: FHD (touch), AMD Ryzen™ 5 PRO 7530U, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: FHD (touch), AMD Ryzen™ 5 PRO 7530U, 16GB DDR4, Win 11, 46.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using MobileMark® 25, JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to Microsoft® link for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

<sup>[1]</sup> AC adapter offerings depend on the country.

<sup>[2]</sup> No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)
15.6"	FHD (1920x1080)	None	IPS	250nits	Anti-glare	16:9	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°
15.6"	FHD (1920x1080)	Multi-touch	IPS	300nits	Anti-glare	16:9	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

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

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

360.2 x 237 x 19.93 mm (14.18 x 9.33 x 0.78 inches)

**Weight<sup>[2]</sup>**

Starting at 1.77 kg (3.91 lbs)

**Case Color**

Thunder black

**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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth<sup>\*\*</sup>**

- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card<sup>[1]</sup>
- AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card<sup>[2]</sup>
- No WLAN and Bluetooth®

**WWAN<sup>\*\*</sup>**

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1], [2] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x microSD card reader

**Optional Ports<sup>\*\*\*</sup>**

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L15 Gen 4 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories**<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L15 Gen 4 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

**Temperature**<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

**Material**<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
30% PCC recycled plastic used in bottom cover material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
45% PCC recycled plastic used in SIM tray  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications

<sup>[1]</sup>**Green Certifications**<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

- 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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AMD



AMD



AMD



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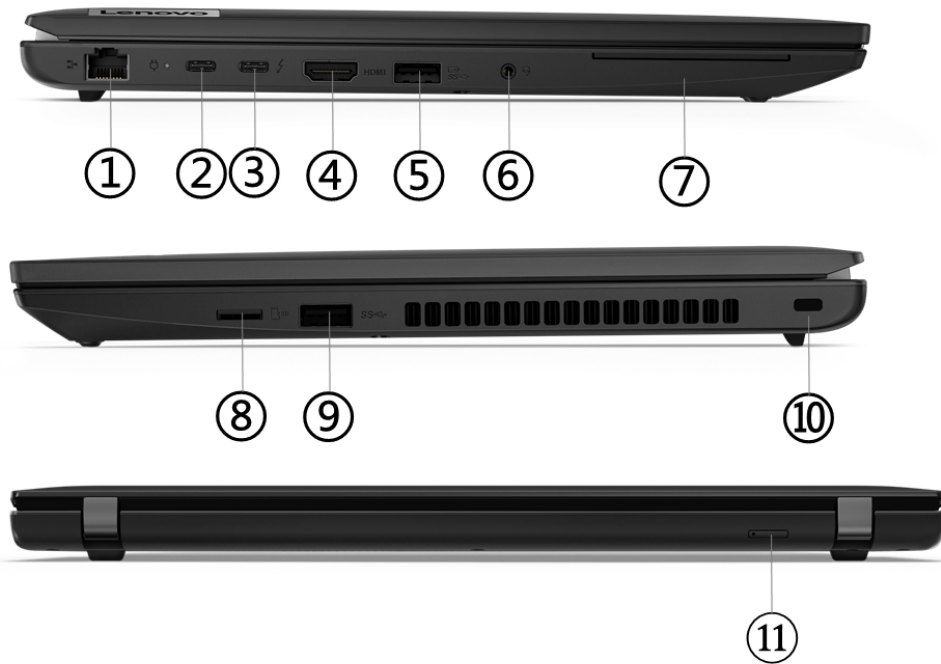


AMD



AMD

## OVERVIEW



1. Ethernet (RJ-45)	7. Smart card reader *
2. USB-C 3.2 Gen 2	8. microSD card reader
3. Thunderbolt 4	9. USB 3.2 Gen 1
4. HDMI	10. Kensington Nano Security Slot
5. USB 3.2 Gen 1 (Always On)	11. Nano-SIM card slot *
6. Headphone / microphone combo jack (3.5mm)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U-series or 13th Generation Intel® U or P Series Core i3 / i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
U300	5 (1 P-core + 4 E-core)	6	P-core 1.2GHz / E-core 0.9GHz	P-core 4.4GHz / E-core 3.3GHz	8MB	Intel® UHD Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[1]</sup>
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics <sup>[2]</sup>
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics <sup>[3]</sup>
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics <sup>[4]</sup>
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics <sup>[5]</sup>
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics <sup>[6]</sup>
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics <sup>[7]</sup>
Core 3 100U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 900MHz	P-core 4.7GHz / E-core 3.3GHz	10MB	Intel® Graphics

#### Notes:

[1], [2], [3], [4], [5], [6], [7] 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.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

#### Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.1

NVIDIA® GeForce MX550 <sup>[2]</sup>	Discrete	2GB GDDR6	-	DirectX® 12
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**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] NVIDIA® GeForce MX550 is NOT available in EMEA.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 3840x2160@60Hz
- USB-C® supports up to 5120x3200@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

Up to 64GB DDR4-3200

### Memory Slots

Two DDR4 SO-DIMM 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

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB / 2TB	Opal 2.0

**Notes:**

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

## Removable Storage

### Card Reader

microSD card reader

## Multi-Media

### Audio Chip

- Non-vPro® models: High Definition (HD) Audio, Realtek® ALC3287 codec
- vPro® models: High Definition (HD) Audio, Senary SN6147 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark<sup>®</sup> 25: up to 11.5 hr @250nits

JEITA 2.0: up to 18.42 hr @150nits

Local video playback: up to 19.5 hr @150nits

Alternate configuration 2

MobileMark<sup>®</sup> 25: up to 8.93 hr @250nits

JEITA 2.0: up to 14.92 hr @150nits

Local video playback: up to 14.54 hr @150nits

Alternate configuration 3

MobileMark<sup>®</sup> 25: up to 7.35 hr @250nits

JEITA 2.0: up to 14.57 hr @150nits

Local video playback: up to 14.25 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): FHD (touch), Intel<sup>®</sup> i5-1340P, 8GB DDR4, Win 11, 63Wh battery, best power efficiency power mode

Alternate configuration 2: FHD (non-touch), Intel<sup>®</sup> i5-1350P, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: FHD (touch), Intel<sup>®</sup> i7-1360P, 64GB DDR4, NVIDIA<sup>®</sup> Geforce MX550, Win 11, 63Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark<sup>®</sup> 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft<sup>®</sup> link](#) for more information about the Windows<sup>®</sup> Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C<sup>®</sup> (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C<sup>®</sup> (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C<sup>®</sup> slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

**Display\*\*<sup>[1]</sup>**

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)
15.6"	FHD (1920x1080)	None	IPS	250nits	Anti-glare	16:9	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°
15.6"	FHD (1920x1080)	Multi-touch	IPS	300nits	Anti-glare	16:9	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

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

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

360.2 x 237 x 19.93 mm (14.18 x 9.33 x 0.78 inches)

**Weight<sup>[2]</sup>**

Starting at 1.77 kg (3.91 lbs)

**Case Color**

Thunder black

**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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\***

- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 Card<sup>[1]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card<sup>[2]</sup>
- No WLAN and Bluetooth®

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)

- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

---

#### Notes:

[1] Wi-Fi® 6 full features might be limited by country-level restrictions. Bluetooth® 5.2 is hardware ready but may run at a lower version due to OS limitations.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x microSD card reader

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

#### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L15 Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV

- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe<sup>®</sup> password
- Power-on password
- Supervisor password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows<sup>®</sup> Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel<sup>®</sup> vPro<sup>®</sup> Enterprise<sup>[1]</sup>
- Intel<sup>®</sup> vPro<sup>®</sup> Essentials<sup>[2]</sup>
- Non-vPro<sup>®</sup>

Notes:

[1], [2] Intel<sup>®</sup> vPro<sup>®</sup> offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo<sup>®</sup> HDMI<sup>®</sup> to VGA Monitor Adapter
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to DisplayPort<sup>™</sup> Adapter
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad<sup>®</sup> L15 Gen 4 \(Intel<sup>®</sup>\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)



- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic used in top cover frame material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in standard adapter  
45% PCC recycled plastic used in SIM tray  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

- [1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

- [3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

- 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.
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## OVERVIEW



1. Ethernet (RJ-45)	7. Headphone / microphone combo jack (3.5mm)
2. USB-C (USB 10Gbps), with USB PD 3.0 & DP 1.4	8. USB-A (Hi-Speed USB)
3. USB-C (USB4 40Gbps), with USB PD 3.0 & DP 1.4	9. USB-A (USB 5Gbps)
4. HDMI	10. Kensington Nano Security Slot
5. USB-A (USB 5Gbps), Always On	11. Nano-SIM card slot (WWAN model) *
6. Smart card reader *	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 3 PRO 7335U	4	8	3.0GHz	4.3GHz	2MB L2 / 8MB L3	AMD Radeon™ 660M
AMD Ryzen™ 5 PRO 7535U	6	12	2.9GHz	4.55GHz	3MB L2 / 16MB L3	AMD Radeon™ 660M
AMD Ryzen™ 7 PRO 7735U	8	16	2.7GHz	4.75GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 IoT Enterprise LTSC 2024<sup>[1]</sup>
- Windows® 11 DG Windows® 10 Pro 64<sup>[2]</sup>
- Windows® 10 IoT Enterprise LTSC 2021<sup>[3]</sup>
- Ubuntu Linux<sup>[4]</sup>
- Linux<sup>[5]</sup>
- No preload operating system

#### Notes:

[1] Windows® 11 IoT Enterprise LTSC 2024 is for special bid only.

[2] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[3] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[4], [5] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 660M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 680M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and USB4®)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@120Hz
- USB4® supports up to 5K@120Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

Up to 64GB DDR5-4800

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Memory Type<sup>[1]</sup>

DDR5-4800

## Notes:

[1] Installed memory is actually DDR5-5600 but may run as DDR5-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	2TB	Opal 2.0

## Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 13.02 hr with 653 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.38 hr / 18.27 hr @200nits

Local video playback: up to 16.75 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.22 hr with 683 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 6.56 hr / 11 hr @200nits

Local video playback: up to 10.17 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 8.07 hr with 631 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 6.09 hr / 10.18 hr @200nits

Local video playback: up to 8.72 hr @150nits

## Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 PRO 7735U, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 PRO 7535U, 8GB+8GB DDR5, Win 11, 46.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), AMD Ryzen™ 3 PRO 7335U, 32GB+32GB DDR5, Win 11, 46.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	-
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	1500:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	Eyesafe® Certified 2.0
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Mylar® surface multi-touch touchpad, 67.6 x 115 mm (2.66 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

357.2 x 253.4 x 20.78 mm (14.06 x 9.98 x 0.82 inches)

**Weight<sup>[2]</sup>**

Starting at 1.77 kg (3.90 lbs)

**Case Color**

Black

**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, Realtek® RTL8111EPV (DASH models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth<sup>®</sup><sup>[1]</sup>**

Qualcomm® Wi-Fi® 6E NFA725, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

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

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

**Optional Ports**

\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

**Notes:**

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L16 Gen 1 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty



## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L16 Gen 1 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

60% PCC recycled on keyboard frame  
50% PCC recycled on PC/ABS bottom cover  
85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in slim 65W adapters  
Low-temperature solder  
FSC certified plastic free packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- 
- 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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AMD



AMD



AMD



AMD

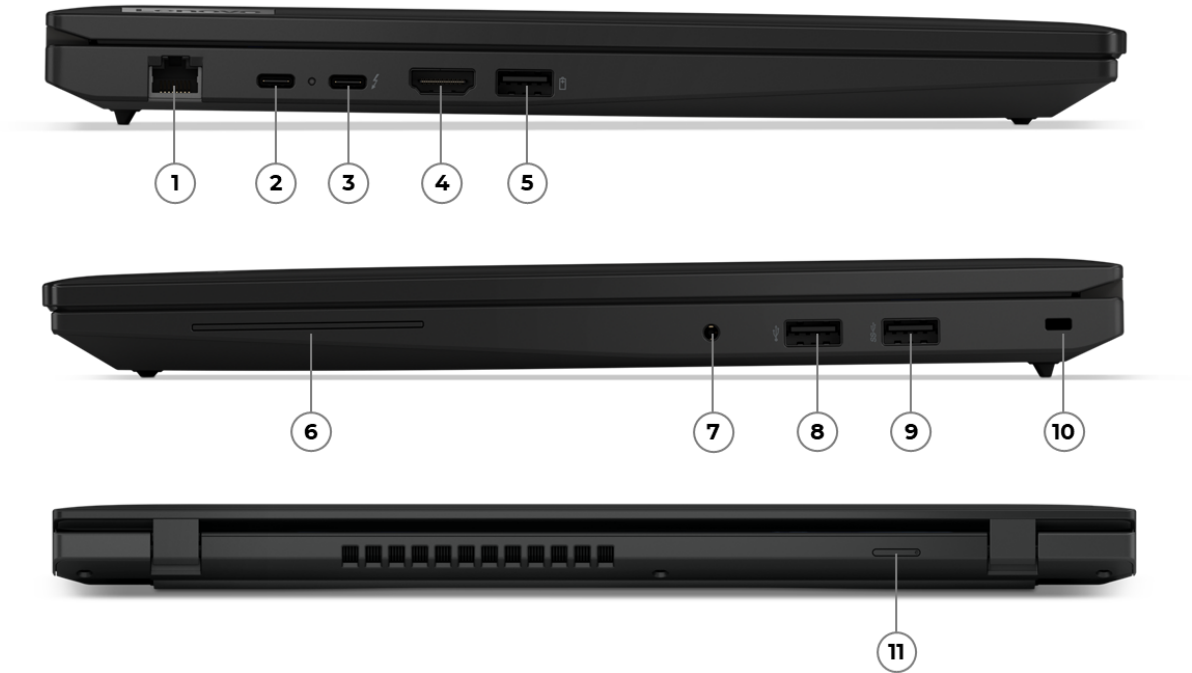


AMD



AMD

## OVERVIEW



1. Ethernet (RJ-45)	7. Headphone / microphone combo jack (3.5mm)
2. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4	8. USB-A (Hi-Speed USB)
3. Thunderbolt 4	9. USB-A (USB 5Gbps)
4. HDMI	10. Kensington Nano Security Slot
5. USB-A (USB 5Gbps), Always On	11. Nano-SIM card slot (WWAN model) *
6. Smart card reader *	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[1]</sup>	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.6GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[2]</sup>	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

Notes:

[1], [2] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

**Graphics\*\***

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

Notes:

[1] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

**Monitor Support****Monitor Support**

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@120Hz
- Thunderbolt™ supports up to 8K@60Hz

**Chipset****Chipset**

Intel® SoC (System on Chip) platform

**Memory****Max Memory<sup>[1]</sup>**

Up to 64GB DDR5-5600

**Memory Slots**

Two DDR5 SO-DIMM slots, dual-channel capable

**Memory Type**

DDR5-5600

Notes:

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

**Storage****Storage Support<sup>[1]</sup>**

One drive, up to 2TB M.2 2280 SSD

**Storage Slot**

One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type\*\***

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	2TB	Opal 2.0

Notes:

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

**Removable Storage****Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Senary SN6147 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

## Microphone

Dual-microphone array, far-field, Dolby Voice®

## Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- HD 720p, with privacy shutter, fixed focus

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 13.68 hr with 722 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.56 hr / 24.65 hr @200nits

Local video playback: up to 25.2 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 13.3 hr with 791 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.39 hr / 27.4 hr @200nits

Local video playback: up to 22.91 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.05 hr with 792 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 6.23 hr / 13 hr @200nits

Local video playback: up to 12.81 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® Core™ Ultra 5 125U, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), Intel® Core™ Ultra 5 125H, 8GB DDR5, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), Intel® Core™ Ultra 5 125H, 8GB+8GB DDR5, Win 11, 46.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

## Display

### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	-
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	1500:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	Eyesafe® Certified 2.0
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, Eyesafe® Certified 2.0

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, Copilot key

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
 Mylar® surface multi-touch touchpad, 67.6 x 115 mm (2.66 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

357.2 x 253.4 x 20.78 mm (14.06 x 9.98 x 0.82 inches)

### Weight<sup>[2]</sup>

Starting at 1.77 kg (3.90 lbs)

### Case Color

Black

### 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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN



**WLAN + Bluetooth®\*\*[1]**

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

---

**Notes:**

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

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

**Optional Ports\*\*\***

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

**Notes:**

[1] The transfer speed of the 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.

**Docking****Docking**

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L16 Gen 1 \(Intel®\)](#)

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

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe<sup>®</sup> password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- (Optional) IR camera for Windows<sup>®</sup> Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel<sup>®</sup> vPro<sup>®</sup> Enterprise<sup>[1]</sup>
- Intel<sup>®</sup> vPro<sup>®</sup> Essentials<sup>[2]</sup>
- Non-vPro<sup>®</sup>

Notes:

[1], [2] Intel<sup>®</sup> vPro<sup>®</sup> offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo<sup>®</sup> HDMI<sup>®</sup> to VGA Monitor Adapter
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to DisplayPort<sup>™</sup> Adapter
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad<sup>®</sup> L16 Gen 1 \(Intel<sup>®</sup>\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without packaging: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

50% recycled aluminium on top cover  
60% PCC recycled on keyboard frame  
50% PCC recycled on PC/ABS bottom cover  
30% PCC recycled on PC/CF bottom cover  
85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in slim 65W adapters  
Low-temperature solder  
FSC Certified Plastic Free Packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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Microsoft



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## OVERVIEW



1. SD Express 7.0 card reader	6. Power connector
2. Nano-SIM card slot *	7. Thunderbolt 4
3. USB 3.2 Gen 1	8. Thunderbolt 4
4. USB 3.2 Gen 1 (Always On)	9. HDMI
5. Kensington Nano Security Slot	10. Headphone jack (3.5mm)

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation H series Intel® Core™ i7 / i9 processor, supports up to 14 cores, up to 5.4GHz

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i7-13700H	14 (6 P-core + 8 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	P-core 5.0GHz / E-core 3.7GHz	24MB	Intel® Iris® Xe Graphics
Core i7-13800H	14 (6 P-core + 8 E-core)	20	P-core 2.5GHz / E-core 1.8GHz	P-core 5.2GHz / E-core 4.0GHz	24MB	Intel® Iris® Xe Graphics
Core i9-13900H	14 (6 P-core + 8 E-core)	20	P-core 2.6GHz / E-core 1.9GHz	P-core 5.4GHz / E-core 4.1GHz	24MB	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.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux
- Ubuntu Linux LTS
- Ubuntu Linux with Data Science Preload
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))<sup>[1]</sup>
- No preload operating system

Notes:

[1] Red Hat Enterprise Linux 9.2 certification will be available after Aug 31, 2023.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
NVIDIA® GeForce RTX™ 4060 Laptop GPU	Discrete	8GB GDDR6	80W	DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 4080 Laptop GPU	Discrete	12GB GDDR6	80W	DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 4090 Laptop GPU	Discrete	16GB GDDR6	80W	DirectX® 12 Ultimate
NVIDIA® RTX 2000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 3500 Ada Generation Laptop GPU	Discrete	12GB GDDR6 ECC	80W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 4000 Ada Generation Laptop GPU	Discrete	12GB GDDR6 ECC	80W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 5000 Ada Generation Laptop GPU	Discrete	16GB GDDR6 ECC	80W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX A1000 Laptop GPU	Discrete	6GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 7680x4320@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 96GB (2x 48GB DDR5 SO-DIMM)

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600 non-ECC, maximum transfer speeds of up to 5200 MT/s<sup>[1]</sup>

Notes:

[1] System comes with DDR5-5600 DIMMs and will run at 5200 MT/s due to platform limitations.

## Storage

### Storage Support<sup>[1]</sup>

- Models with NVIDIA® RTX A1000/2000 Ada:
  - up to two drives, 2x M.2 SSD
  - M.2 2280 SSD up to 8TB, 4TB each
  - RAID 0/1 support
- Models with NVIDIA® RTX 3500/4000/5000 Ada or GeForce RTX4060/4080/4090:
  - one drive, up to 4TB M.2 2280 SSD

### Storage Slot

- Models with NVIDIA® RTX A1000/2000 Ada:
  - Two M.2 2280 PCIe® 4.0 x4 slots
- Models with NVIDIA® RTX 3500/4000/5000 Ada or GeForce RTX4060/4080/4090:
  - One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB / 4TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® x4	256GB / 512GB / 1TB	Opal 2.0

### RAID

RAID 0/1 support (for models with NVIDIA® RTX A1000/2000 Ada)

Notes:

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

## Removable Storage

### Card Reader

SD Express 7.0 card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone



Dual-microphone array, far-field, Dolby Voice®

#### Camera\*\*

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p + IR hybrid with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- No camera

## Battery

#### Battery

Integrated Li-Polymer 90Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

## Power Adapter

#### Power Adapter\*\*<sup>[1]</sup>

- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 230W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

## Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	TÜV Low Blue Light, X-Rite® Factory Color Calibration, 86.2% screen to body ratio, DC dimming
16"	WQXGA (2560x1600)	None	IPS <sup>[2]</sup>	500nits	Anti-glare	16:10	1200:1	100% sRGB	165Hz	89° / 89° / 80° / 80°	TÜV Low Blue Light, X-Rite® Factory Color Calibration, 86.2% screen to body ratio, DC dimming
16"	WQUXGA (3840x2400)	Add-on Film Touch	OLED	SDR 400nits / HDR 500nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	87.5° / 87.5° / 87.5° / 87.5°	DisplayHDR™ 400, Dolby Vision®, TÜV Low Blue Light, X-Rite® Factory Color Calibration, 86.1% screen to body ratio

#### Color Calibration

X-Rite® factory color calibration

#### Touchscreen

- Add-on Film Touch, supports 10-point touch (OLED models only)
- Non-touch

Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

LED backlight

### UltraNav™

3-button TrackPoint® pointing device and glass surface multi-touch touchpad, 67.6 x 115 mm (2.66 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Touch models	359.5 x 253.8 x 17.3 mm (14.15 x 9.99 x 0.68 inches)
Non-touch models	359.5 x 253.8 x 17.5 mm (14.15 x 9.99 x 0.69 inches)

### Weight<sup>[2]</sup>

Models	Weight
Touch models	Starting at 1.78 kg (3.92 lbs)
Non-touch models	Starting at 1.86 kg (4.11 lbs)

### Case Color\*\*

- Black
- Black, weave

### Case Material\*\*

- CFRP / GFRP (top), aluminium (bottom)
- CFRP / GFRP hybrid (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

#### WWAN

- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Qualcomm® Snapdragon® X55 5G Modem-RF System, Sub-6 GHz, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional docking or Lenovo® USB-C® to Ethernet Adapter, up to 2.5GbE.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 2x USB 3.2 Gen 1 (one Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole
- 1x Power connector

### Optional Ports

1x Nano-SIM card slot (WWAN support models)

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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P1 Gen 6](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (2.5Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P1 Gen 6](#)

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

90% PCC recycled plastic used in speaker enclosure

90% PCC recycled plastic used in the battery  
30% PCC recycled plastic used in 170W power adapter  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

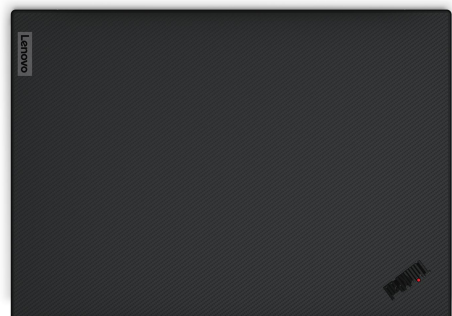
TÜV Rheinland® Low Blue Light

### ISV Certifications

#### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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.
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## OVERVIEW



1. SD Express 7.0 card reader	5. Power connector
2. USB-A (USB 5Gbps), Always On	6. 2x Thunderbolt 4
3. USB-C (USB 10Gbps), with USB PD 3.0 & DP 1.4	7. HDMI
4. Kensington Nano Security Slot	8. Headphone / microphone combo jack (3.5mm)

## PERFORMANCE

### Processor

#### Processor Family

Intel® H Series Core Ultra 5 / 7 / 9 Processor; supports up to 16 cores; up to 5.1GHz

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 135H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.6GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 9 185H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 2.3GHz / E-core 1.8GHz / LPE-core 1GHz	P-core 5.1GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 Government Edition 64
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux LTS<sup>[2]</sup>
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- No preload operating system

Notes:

[1] Fedora Linux will be available after July 30th, 2024.

[2] Ubuntu Linux LTS will be available after July 30th, 2024.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.2
NVIDIA® GeForce RTX™ 4060 Laptop GPU	Discrete	8GB GDDR6	60W	DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 4070 Laptop GPU	Discrete	8GB GDDR6	60W	DirectX® 12 Ultimate
NVIDIA® RTX 1000 Ada Generation Laptop GPU	Discrete	6GB GDDR6	60W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 2000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	60W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager



NVIDIA® RTX 3000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	60W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
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## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via 2x Thunderbolt™ 4, 1x USB-C®, and 1x HDMI®).

Max resolution for multiple external display:

- 3x 3840x2160@60Hz (Thunderbolt™ 4, USB-C®, and HDMI®)

Max resolution for single external display:

- Thunderbolt™ 4 supports up to 7680x4320@60Hz
- HDMI® supports up to 7680x4320@60Hz or 3840x2160@240Hz
- USB-C® supports up to 7680x4320@60Hz (with DSC)

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 64GB (1x 64GB LPCAMM2), upgradable

### Memory Slots

One LPCAMM2 connector, dual-channel

### Memory Type

LPDDR5x-7500, maximum transfer speeds of up to 7467 MT/s<sup>[1]</sup>

Notes:

[1] System comes with LPDDR5x-7500 modules and will run at 7467 MT/s due to platform limitations.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 8TB, 4TB each
- RAID 0/1 support

### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB / 4TB	Opal 2.0

### RAID

RAID 0/1 support

Notes:

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

## Removable Storage

### Card Reader

SD Express 7.0 card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

**Microphone**

- Dual-microphone array, far-field, Dolby Voice®
- No microphone (for special bid model)

**Camera**

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus, temporal noise reduction
- No camera (for special bid model)

**Battery**

**Battery**

Integrated Li-Polymer 90Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Power Adapter**

**Power Adapter\*\*[1]**

- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- No power adapter

Notes:

[1] AC adapter offerings depend on the country.

**DESIGN**

**Display**

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	91.7% screen to body ratio, TÜV Low Blue Light, X-Rite® Factory Color Calibration, DC dimming
16"	WQXGA (2560x1600)	None	IPS	500nits	Anti-glare	16:10	1200:1	100% sRGB	165Hz	89° / 89° / 89° / 89°	91.7% screen to body ratio, TÜV Low Blue Light, X-Rite® Factory Color Calibration, DC dimming
16"	WQUXGA (3840x2400)	Add On Film Touch	OLED	SDR 400nits / HDR 500nits	Anti-reflection / Anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	87.5° / 87.5° / 87.5° / 87.5°	91.7% screen to body ratio, Eyesafe® Certified 2.0, X-Rite® Factory Color Calibration, DisplayHDR™ 400, Dolby Vision®, PWM dimming

**Color Calibration**

X-Rite® factory color calibration

**Touchscreen**

- Add-on Film Touch, supports 10-point touch (WQUXGA display)
- Non-touch

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

### Keyboard Backlight

LED backlight

### UltraNav™

3-button TrackPoint® pointing device and glass surface multi-touch Haptic Touchpad, 85 x 135 mm (3.35 x 5.31 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

354.4 x 241.2 x 17.05 mm (13.95 x 9.49 x 0.67 inches)

### Weight<sup>[2]</sup>

Starting at 1.82 kg (4.03 lbs)

### Case Color

Black

### Case Material

Aluminium (top), aluminium (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

No onboard Ethernet

#### WLAN + Bluetooth<sup>®</sup><sup>[1]</sup>

Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4

#### WWAN

No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

Notes:

[1] Wi-Fi® 7 and Bluetooth® 5.4 require the supported Windows® OS.

Wi-Fi® 7 requires a separate Wi-Fi® 7 router and / or other networking devices to meet full WiFi 7 requirements.

Wi-Fi® 7 is backwards compatible with prior WiFi standards.

Wi-Fi® 7 is available in countries where Wi-Fi® 7 is supported.

### Ports<sup>[1]</sup>

#### Standard Ports<sup>[2]</sup>

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 (135W input) and DisplayPort™ 1.4

- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 (135W input) and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 8K/60Hz or 4K/240Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

#### Notes:

[1] The transfer speed of the 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.

[2] Thunderbolt™ and USB-C® ports support 135W inputs, and charging speed and system performance may be degraded if a lower-power charger is used. Chargers should be higher than 65W.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P1 Gen 7](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise
- Non-vPro®

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (2.5Gbps)
- Lenovo® USB-C® to VGA Adapter

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery  
30% PCC recycled plastic used in power adapter  
Plastic free packaging with 90% recycled and/or FSC certified content

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 10.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Intel® Evo™ Platform
- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light

## ISV Certifications

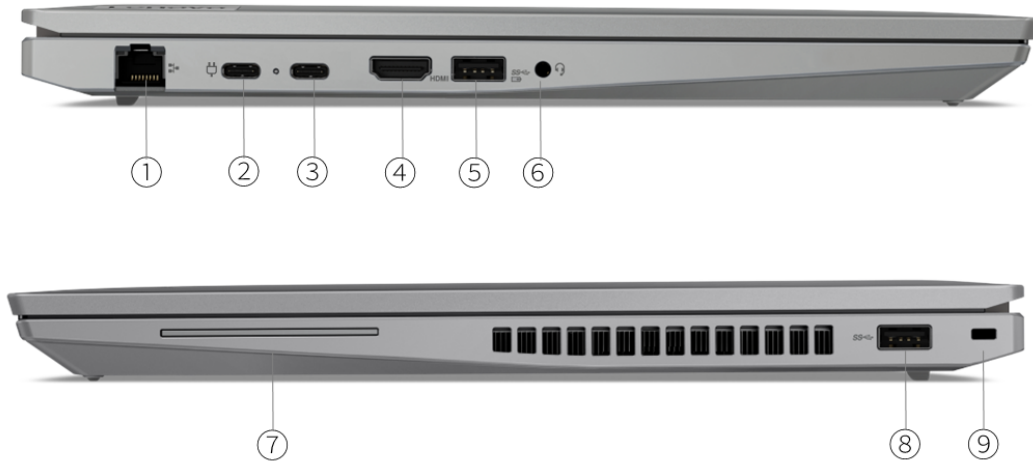
### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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.
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## OVERVIEW



1. Ethernet (RJ-45)	6. Headphone / microphone combo jack (3.5mm)
2. USB4	7. Smart card reader *
3. USB-C 3.2 Gen 2	8. USB 3.2 Gen 1
4. HDMI	9. Security keyhole
5. USB 3.2 Gen 1 (Always On)	

Notes:

- Items with \* are only available on selected models



## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 PRO 7040U Series Processor, supports up to 8 cores, up to 5.1GHz

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 5 PRO 7540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M
AMD Ryzen™ 7 PRO 7840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux
- Ubuntu Linux LTS
- Red Hat Enterprise Linux 9.1 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- No preload operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 740M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® 3.2 Gen 2 and USB4®)

- HDMI® supports up to 3840x2160@60Hz
- USB-C® 3.2 Gen 2 and USB4® support up to 5120x2880@60Hz (USB-C® to DP)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable
- Models with 64GB LPDDR5x: 64GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5x-7500 non-ECC, maximum transfer speeds of up to 6400 MT/s<sup>[1]</sup>

Notes:

[1] System comes with LPDDR5x-7500 DIMMs and will run at 6400 MT/s due to platform limitations.

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

**Storage Slot**

One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type\*\***

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

**Removable Storage****Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p + IR hybrid with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- HD 720p with privacy shutter, fixed focus

**Battery****Battery\*\***

- Integrated Li-Polymer 39.3Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Power Adapter****Power Adapter\*\*[1]**

- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

**DESIGN****Display****Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	84% screen to body ratio, DC dimming
14"	WUXGA (1920x1200)	None	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	84% screen to body ratio, DC dimming

14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ICC Template color calibration, Low power, Low Blue Light, Eyesafe® Certified 2.0, TÜV Eye Comfort, 84% screen to body ratio, DC dimming
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard, 84% screen to body ratio, DC dimming
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-fingerprint	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	X-Rite® Factory Color Calibration, Low Blue Light, Eyesafe® Certified 2.0, DisplayHDR™ True Black 500, Dolby Vision®, 84% screen to body ratio

**Color Calibration\*\***

- ICC Template color calibration (low power display)
- X-Rite® factory color calibration (OLED display)
- No color calibration

**Touchscreen**

- On-cell multi-touch, supports 10-point touch (selected FHD display)
- Non-touch

Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device**

**Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

3-button TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.4 x 4.53 inches)

**Mechanical**

**Dimensions (WxDxH)<sup>[1]</sup>**

Models	Dimensions
Models with black cover	317.7 x 226.9 x 17.9 mm (12.51 x 8.93 x 0.7 inches)
Models with gery cover	317.7 x 227.36 x 17.9 mm (12.51 x 8.95 x 0.7 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with black cover	Starting at 1.34 kg (2.97 lbs)
Models with grey cover	Starting at 1.38 kg (3.05 lbs)

**Case Color\*\***

- Storm grey
- Villi black

**Case Material\*\***

- Models with black cover: PC 50% GF + PC 20% CF (top), PPS (bottom)
- Models with grey cover: aluminium (top), PPS (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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN and AMD PRO Manageability

**WLAN + Bluetooth®\*\***

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>
- AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

## Notes:

[1], [2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 2x USB 3.2 Gen 1 (one Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Security keyhole

**Optional Ports\*\***

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

## 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.  
For more compatible docking solutions, please visit  
[Docking for ThinkPad® P14s Gen 4 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified) and Microsoft® Pluton TPM 2.0, one enabled at one time<sup>[1]</sup>

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

Notes:

[1] Microsoft® Pluton TPM 2.0 is only applicable on Windows® 11.

## MANAGEABILITY

### System Management

#### System Management

AMD PRO Manageability

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

## Bundled Accessories

### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P14s Gen 4 \(AMD\)](#)

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

- 90% PCC recycled plastic used in speaker enclosure
- 90% PCC recycled plastic used in the battery
- 90% PCC recycled plastic used in standard and slim 65W adapter
- 90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

## Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Eye Comfort Certification
- (Optional) TÜV Rheinland® Low Blue Light

## ISV Certifications

### ISV Certifications

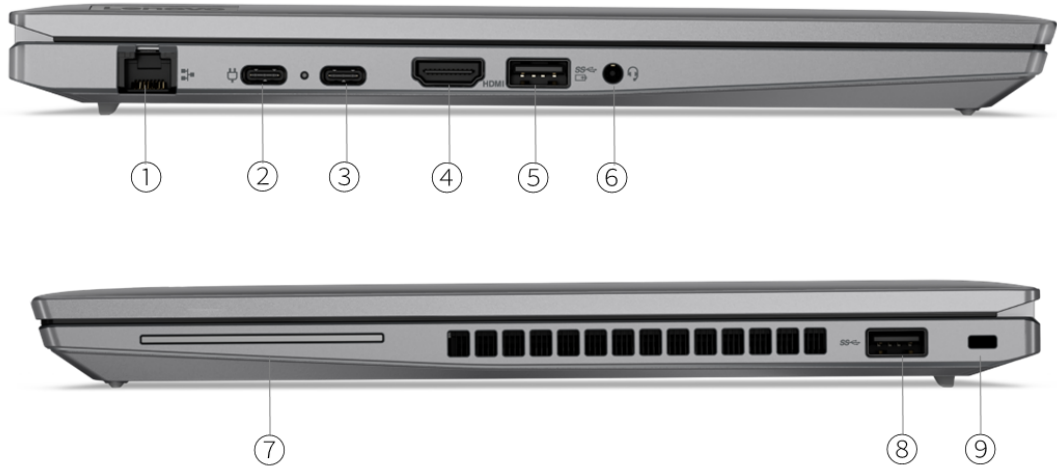
Please visit [ISV certifications for Lenovo® Workstations](#)

- 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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## OVERVIEW



1. Ethernet (RJ-45)	6. Headphone / microphone combo jack (3.5mm)
2. Thunderbolt 4	7. Smart card reader *
3. Thunderbolt 4	8. USB 3.2 Gen 1
4. HDMI	9. Security keyhole
5. USB 3.2 Gen 1 (Always On)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation P series Intel® Core™ i5 / i7 processor, supports up to 14 cores, up to 5.2GHz

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics

Notes:

<sup>[1]</sup> 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.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux LTS
- Red Hat Enterprise Linux 9.1 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))<sup>[1]</sup>
- No preload operating system

Notes:

<sup>[1]</sup> Red Hat Enterprise Linux 9.1 certification will be available after Sep 29, 2023.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® RTX A500 Laptop GPU	Discrete	4GB GDDR6	30W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

Notes:

<sup>[1]</sup> 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 (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 3840x2160@60Hz
- Thunderbolt™ supports up to 7680x4320@60Hz

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable
- Models with 64GB LPDDR5x: 64GB soldered memory, not upgradable
- Models with DDR5 memory: up to 48GB (16GB soldered + 32GB SO-DIMM)

### Memory Slots\*\*

- Models with DDR5 memory: one memory soldered to systemboard, one DDR5 SO-DIMM slot, dual-channel capable
- Models with LPDDR5x memory: memory soldered to systemboard, no slots, dual-channel

### Memory Type\*\*

- DDR5-5600 non-ECC (models with integrated graphics), , maximum transfer speeds of up to 5200 MT/s<sup>[1]</sup>
- LPDDR5x-7500 non-ECC (models with discrete graphics), maximum transfer speeds of up to 4800 MT/s<sup>[2]</sup>

Notes:

[1] System comes with DDR5-5600 DIMMs and will run at 5200 MT/s due to platform limitations.

[2] System comes with LPDDR5x-7500 DIMMs and will run at 4800 MT/s due to platform limitations.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, far-field, Dolby Voice®
- No microphone (for special bid model)

### Camera\*\*

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p + IR hybrid with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- HD 720p with privacy shutter, fixed focus
- No camera (for special bid model)

## Battery

### Battery\*\*

- Integrated Li-Polymer 39.3Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	84% screen to body ratio, DC dimming
14"	WUXGA (1920x1200)	None	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	84% screen to body ratio, DC dimming
14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ICC Template color calibration, Low power, Low Blue Light, Eyesafe® Certified 2.0, TÜV Eye Comfort, 84% screen to body ratio, DC dimming
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard, 84% screen to body ratio, DC dimming
14"	2.2K (2240x1400)	None	IPS <sup>[5]</sup>	300nits	Anti-glare	16:10	1500:1	100% sRGB	85° / 85° / - / -	Low Blue Light, 84% screen to body ratio, DC dimming
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-fingerprint	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	X-Rite® Factory Color Calibration, Low Blue Light, Eyesafe® Certified 2.0, DisplayHDR™ True Black 500, Dolby Vision®, 84% screen to body ratio

#### Color Calibration\*\*

- ICC Template color calibration (low power display)
- X-Rite® factory color calibration (OLED display)
- No color calibration

#### Touchscreen

- On-cell multi-touch, supports 10-point touch (selected FHD display)
- Non-touch

Notes:

[1], [2], [3], [4], [5] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

3-button TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.4 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Models with black cover and integrated graphics	317.7 x 226.9 x 17.9 mm (12.51 x 8.93 x 0.7 inches)
Models with black cover and NVIDIA® RTX A500 graphics	317.7 x 226.9 x 17.95 mm (12.51 x 8.93 x 0.707 inches)
Models with gery cover	317.7 x 227.36 x 17.9 mm (12.51 x 8.95 x 0.7 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with black cover	Starting at 1.34 kg (2.97 lbs)
Model with storm grey	Starting at 1.38 kg (3.05 lbs)

### Case Color\*\*

- Storm grey
- Villi black

### Case Material\*\*

- Models with black cover and integrated graphics: PC 50% GF + PC 20% CF (top), PPS (bottom)
- Models with black cover and discrete graphics: PC 50% GF + PC 20% CF (top), aluminium (bottom)
- Models with grey cover: aluminium (top), PPS (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®\*\*

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

## NFC

- Near Field Communication
- No support

### Notes:

[1], [2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 2x USB 3.2 Gen 1 (one Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Security keyhole

### Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P14s Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password

- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P14s Gen 4 \(Intel®\)](#)

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

- 98% PCC recycled plastic used in speaker enclosure
- 97% PCC recycled plastic used in the battery
- 90% PCC recycled plastic used in standard and slim 65W adapter
- Low-temperature solder
- 90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Eye Comfort Certification
- (Optional) TÜV Rheinland® Low Blue Light

### ISV Certifications

#### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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.
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## OVERVIEW



1. Smart card reader *	6. 2x Thunderbolt 4
2. Nano-SIM card slot *	7. HDMI
3. USB-A (USB 5Gbps)	8. USB-A (USB 5Gbps), Always On
4. Ethernet (GbE RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Kensington Nano Security Slot	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 PRO 8040HS Series Processor. Supports up to 8 cores; up to 5.1GHz; TDP ratings of up to 29W

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 5 PRO 8640HS	6	12	3.5GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 760M	AMD Ryzen™ AI
AMD Ryzen™ 7 PRO 8840HS	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### NPU

Integrated AMD Ryzen™ AI, up to 16 TOPS

### Operating System

#### Operating System

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux LTS<sup>[2]</sup>
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- No preload operating system

#### Notes:

[1] Fedora Linux will be available after September 6th, 2024.

[2] Ubuntu Linux LTS will be available after August 12th, 2024.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 760M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via 2x Thunderbolt™ 4 and 1x HDMI®).

Max resolution for multiple display:

- 3x 3840x2160@60Hz (2x Thunderbolt™ 4 and 1x HDMI®)

Max resolution for single display:

- Thunderbolt™ 4 supports up to 7680x4320@60Hz (with DSC)
- HDMI® supports up to 3840x2160@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

Up to 96GB (2x 48GB DDR5 SO-DIMM)

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600 non-ECC, maximum transfer speeds of up to 5600 MT/s

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone (for special bid model)

### Camera\*\*

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus, temporal noise reduction
- 5.0MP + IR with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP with privacy shutter, fixed focus, temporal noise reduction

## Battery

### Battery\*\*

- Integrated Li-Polymer 39.3Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	85.73% screen to body ratio, 3M™ Dual Brightness Enhancement Film 5, DC dimming
14"	WUXGA (1920x1200)	Multi-touch	IPS	400nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	85.73% screen to body ratio, 3M™ Dual Brightness Enhancement Film 5, Eyesafe® Certified 2.0, DC dimming
14"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	85.73% screen to body ratio, ICC Template color calibration, Low power, Eyesafe® Certified 2.0, DC dimming
14"	WUXGA (1920x1200)	Multi-touch	IPS	500nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	85.73% screen to body ratio, ThinkPad® Privacy Guard, DC dimming
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	85.73% screen to body ratio, X-Rite® Pantone® Factory Color Calibration, Eyesafe® Certified 2.0, DisplayHDR™ True Black 500, Dolby Vision®, PWM dimming

**Color Calibration\*\***

- ICC Template color calibration (low power display)
- X-Rite® factory color calibration (2.8K OLED display)
- No color calibration

**Touchscreen**

- On-cell multi-touch, supports 10-point touch (selected display)
- Non-touch

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys, Copilot key

**Keyboard Backlight**

- LED backlight

- Non-backlight

**UltraNav™**

3-button TrackPoint® pointing device and glass-like Mylar® surface multi-touch TrackPad, 61 x 115 mm (2.4 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

315.9 x 223.7 x 17.7 mm (12.44 x 8.81 x 0.70 inches)

**Weight<sup>[2]</sup>**

Starting at 1.31 kg (2.89 lbs)

**Case Color**

Black

**Case Material\*\***

- PC / 50% GF with 30% PCC + PC / 20% CF (top), PC / 40% GF with 45% PCC (bottom)
- PC / 50% GF with 30% PCC + PC / 20% CF (top), PC / 20% CF with 30% PCC (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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN and AMD PRO Manageability

**WLAN + Bluetooth®<sup>[1]</sup>**

Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

**WWAN**

- Wireless WAN upgradable to 4G (with antenna ready)
- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

- 1x Security keyhole

### Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via side docking connector, Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® P14s Gen 5 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

#### System Management

AMD PRO Manageability

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

#### Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps  
90% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the battery  
90% PCC recycled plastic used in 65W adapter

#### Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 10.0

#### 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed



## Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light

## ISV Certifications

### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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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## OVERVIEW



1. Smart card reader *	5. HDMI
2. USB-A (USB 5Gbps)	6. 2x Thunderbolt 4
3. Ethernet (GbE RJ-45)	7. USB-A (USB 5Gbps), Always On
4. Kensington Nano Security Slot	8. Headphone jack (3.5mm)

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® H Series Core Ultra 5 / 7 / 9 Processor; supports up to 16 cores; up to 5.1GHz; TDP ratings of up to 50W

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 5 135H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.6GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 9 185H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 2.3GHz / E-core 1.8GHz / LPE-core 1GHz	P-core 5.1GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost

Notes:

[1] Intel® Arc™ graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Ubuntu Linux LTS<sup>[1]</sup>
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- No preload operating system

Notes:

[1] Ubuntu Linux LTS will be available after August 6th, 2024.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® RTX 500 Ada Generation Laptop GPU	Discrete	4GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

## Notes:

[1] Intel® Arc™ graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ 4 and HDMI®).

Max resolution for multiple external display:

- 3x 3840x2160@60Hz (Thunderbolt™ 4 and HDMI®)

Max resolution for single external display:

- Thunderbolt™ 4 supports up to 7680x4320@60Hz
- HDMI® supports up to 7680x4320@60Hz (with DSC)<sup>[1]</sup>

## Notes:

[1] 8K (7680x4320@60Hz) support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 96GB (2x 48GB DDR5 SO-DIMM)<sup>[1]</sup>

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600 non-ECC, maximum transfer speeds of up to 5600 MT/s

## Notes:

[1] 48GB memory module will be available in June 2024. Maximum memory at launch is 64GB (2x 32GB).

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

## Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus, temporal noise reduction
- 5.0MP + IR with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP with privacy shutter, fixed focus, temporal noise reduction

**Battery**

**Battery\*\***

- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 75Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Power Adapter**

**Power Adapter\*\*<sup>[1]</sup>**

- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 135W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN**

**Display**

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14.5"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	87.8% screen to body ratio, Eyesafe® Certified 2.0, TÜV Low Blue Light, DC dimming
14.5"	3K (3072x1920)	None	IPS	430nits	Anti-glare	16:10	1500:1	100% DCI-P3	120Hz	89° / 89° / 89° / 89°	87.8% screen to body ratio, Eyesafe® Certified 2.0, TÜV Low Blue Light, TCON Color Calibration, DC dimming
14.5"	WQXGA (2560x1600)	None	IPS	350nits	Anti-glare	16:10	1500:1	100% sRGB	90Hz	89° / 89° / 89° / 89°	87.8% screen to body ratio, Eyesafe® Certified 2.0, TÜV Low Blue Light, X-Rite® Pantone® Factory Color Calibration, DC dimming
14.5"	WQXGA (2560x1600)	Add-on Film	IPS	350nits	Anti-glare	16:10	1500:1	100% sRGB	90Hz	89° / 89° / 89° / 89°	87.8% screen to body ratio,

		Touch										Eyesafe® Certified 2.0, TÜV Low Blue Light, DC dimming
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**Color Calibration\*\***

- TCON factory color calibration (3K display)
- X-Rite® factory color calibration (selected WQXGA display)
- No color calibration

**Touchscreen**

- Add-on Film Touch, supports 10-point touch (selected WQXGA display)
- Non-touch

**Input Device**

**Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys, Copilot key

**Keyboard Backlight**

LED backlight

**UltraNav™**

3-button TrackPoint® pointing device and glass-like Mylar® surface multi-touch TrackPad, 60 x 115 mm (2.36 x 4.53 inches)

**Mechanical**

**Dimensions (WxDxH)<sup>[1]</sup>**

325.5 x 227.6 x 18.5 mm (12.81 x 8.96 x 0.73 inches)

**Weight<sup>[2]</sup>**

Starting at 1.61 kg (3.55 lbs)

**Case Color**

Black

**Case Material**

Aluminium (top), aluminium (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®**

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

**Notes:**

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Security keyhole

**Optional Ports**

1x Smart card reader

**Notes:**

[1] The transfer speed of the 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.

**Docking****Docking**

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P14s Gen 5 \(Intel®\)](#)

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

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

- Smart card reader
- No smart card reader

**Fingerprint Reader**

Touch style fingerprint reader integrated in power button, match-on-chip

**BIOS Security**

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

**Other Security**

- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Camera privacy shutter
- Bottom cover tamper detection

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



- Intel® vPro® Enterprise
- Non-vPro®

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps  
98% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the battery  
90% PCC recycled plastic used in 100W and 135W adapters

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 10.0

## 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light

## ISV Certifications

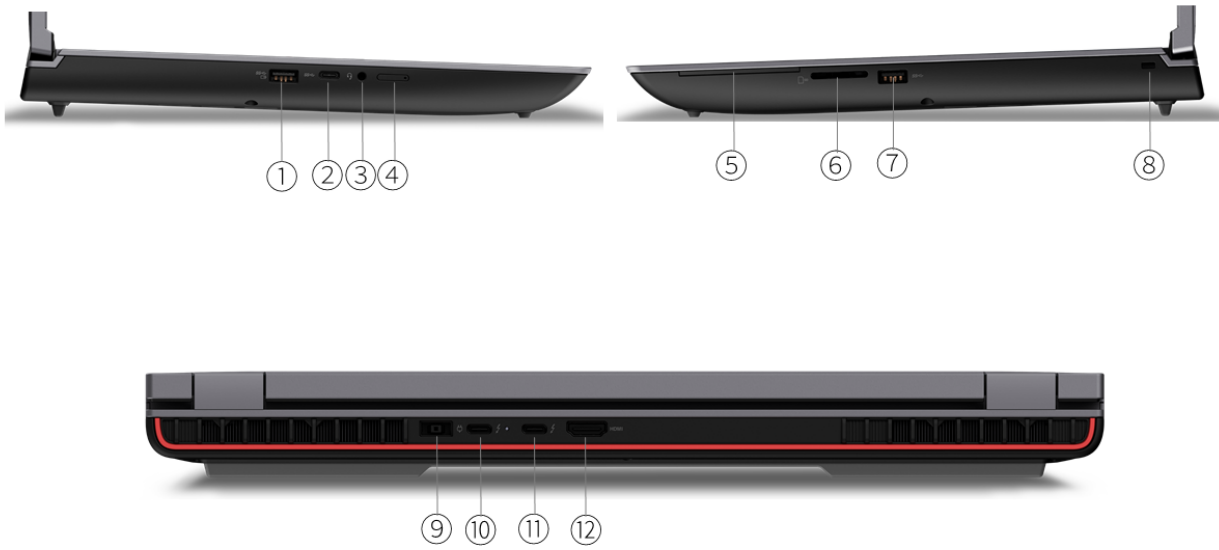
### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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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## OVERVIEW



1. USB-A (USB 5Gbps), Always On	7. USB-A (USB 5Gbps)
2. USB-C (USB 10Gbps), data transfer only	8. Kensington Nano Security Slot
3. Headphone / microphone combo jack (3.5mm)	9. Power connector
4. Nano-SIM card slot *	10. Thunderbolt 4
5. Smart card reader *	11. Thunderbolt 4
6. SD Express 7.0 card reader	12. HDMI

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® HX series Core i5 / i7 / i9 (13th Gen) or Core i7 (14th Gen) processor; supports up to 24 cores; up to 5.6GHz.

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-13600HX	14 (6 P-core + 8 E-core)	20	P-core 2.6GHz / E-core 1.9GHz	P-core 4.8GHz / E-core 3.6GHz	24MB	Intel® UHD Graphics
Core i7-13700HX	16 (8 P-core + 8 E-core)	24	P-core 2.1GHz / E-core 1.5GHz	P-core 5.0GHz / E-core 3.7GHz	30MB	Intel® UHD Graphics
Core i7-13850HX	20 (8 P-core + 12 E-core)	28	P-core 2.1GHz / E-core 1.5GHz	P-core 5.3GHz / E-core 3.8GHz	30MB	Intel® UHD Graphics
Core i9-13950HX	24 (8 P-core + 16 E-core)	32	P-core 2.2GHz / E-core 1.6GHz	P-core 5.5GHz / E-core 4.0GHz	36MB	Intel® UHD Graphics
Core i9-13980HX	24 (8 P-core + 16 E-core)	32	P-core 2.2GHz / E-core 1.6GHz	P-core 5.6GHz / E-core 4.0GHz	36MB	Intel® UHD Graphics
Core i7-14700HX	20 (8 P-core + 12 E-core)	28	P-core 2.1GHz / E-core 1.5GHz	P-core 5.5GHz / E-core 3.9GHz	33MB	Intel® UHD Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux
- Ubuntu Linux LTS
- Ubuntu Linux with Data Science Preload
- Red Hat Enterprise Linux 9.3 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))<sup>[1]</sup>
- No preload operating system

Notes:

[1] Red Hat Enterprise Linux 9.2 certification will be available after Aug 18, 2023.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® UHD Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® RTX 1000 Ada Generation Laptop GPU	Discrete	6GB GDDR6	60W (non-boost); 80W (boost)	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 2000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	60W (non-boost); 80W (boost)	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 3500 Ada Generation Laptop GPU	Discrete	12GB GDDR6 ECC	115W (non-boost); 130W (boost)	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 4000 Ada	Discrete	12GB	115W (non-	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA /

Generation Laptop GPU		GDDR6 ECC	boost); 130W (boost)	TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 5000 Ada Generation Laptop GPU	Discrete	16GB GDDR6 ECC	115W (non-boost); 130W (boost)	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
Intel® Arc™ Pro A30M Graphics	Discrete	4GB GDDR6	35W (non-boost)	DirectX® 12 Ultimate, Deep Link technologies
NVIDIA® RTX A1000 Laptop GPU	Discrete	6GB GDDR6	60W (non-boost); 80W (boost)	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™). More external displays can be supported via docking or daisy chain.

- HDMI® supports up to 3840x2160@60Hz on integrated or Arc™ graphics models; 7680x4320@60Hz or 3840x2160@240Hz on NVIDIA® or Intel® Arc™ Pro A30M graphics models
- Thunderbolt™ supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel® WM790 chipset

## Memory

### Max Memory

- Models with ECC memory: Up to 128GB (4x 32GB SO-DIMM DDR5-5600 ECC)
- Models with Non-ECC memory: Up to 192GB (4x 48GB SO-DIMM DDR5-5600 Non-ECC)

### Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

### Memory Type\*\*[1]

- DDR5-5600 ECC, maximum transfer speeds of up to 4000 MT/s
- DDR5-5600 non-ECC, maximum transfer speeds of up to 4000 MT/s

### Memory Protection

ECC on models with ECC DIMMs and ECC capable processor (i5-13600HX / i7-13850HX / i9-13950HX)

Notes:

[1] System comes with DDR5-5600 memory and will run at lower speed due to platform limitations: 4x 32GB / 4x 48GB configurations run at 3600 MT/s. Other configurations run at 4000 MT/s.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 8TB, 4TB each
- RAID 0/1 support

### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB / 4TB	Opal 2.0

### RAID

RAID 0/1 support

Notes:

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

## Removable Storage

### Card Reader

SD Express 7.0 card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

- Dual-microphone array, far-field, Dolby Voice®
- No microphone

### Camera\*\*

- FHD 1080p + IR hybrid with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p with privacy shutter, fixed focus

## Battery

### Battery

Integrated Li-Polymer 94Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 230W AC adapter

## Power Adapter

### Power Adapter\*\*[1]

- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 230W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

## Display

### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0, Low Blue Light, X-Rite® Factory Color Calibration, 83.4% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	83.9% screen to body ratio, TÜV Low Blue Light, DC dimming
16"	WQXGA (2560x1600)	None	IPS <sup>[2]</sup>	500nits	Anti-glare	16:10	1200:1	100% sRGB	165Hz	89° / 89° / 89° / 89°	Eyesafe® Certified 2.0,

											Low Blue Light, X-Rite® Factory Color Calibration, 83.4% screen to body ratio, DC dimming
16"	WQUXGA (3840x2400)	None	IPS <sup>[3]</sup>	800nits	Anti-glare	16:10	1500:1	100% DCI-P3	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0, TÜV Low Blue Light, DisplayHDR™ 400, Dolby Vision®, X-Rite® Factory Color Calibration, 83.4% screen to body ratio, DC dimming
16"	WQUXGA (3840x2400)	Multi-touch	OLED	SDR 400nits / HDR 500nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	87.5° / 87.5° / 87.5° / 87.5°	Eyesafe® Certified 2.0, TÜV Low Blue Light, Dolby Vision®, DisplayHDR™ True Black 500, X-Rite® Factory Color Calibration, 83.4% screen to body ratio

**Color Calibration**

X-Rite® factory color calibration

**Touchscreen**

- OGM (One Glass Metal mesh) multi-touch, supports 10-point touch (OLED display)
- Non-touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device**

**Pen**

- Lenovo® Precision Pen 2 with built-in rechargeable battery, 4096 levels of pressure sensitivity, tilt detection, supports WGP, AES 2.0 and MPP 2.0 protocols. For more information, please read [Lenovo® Precision Pen 2](#)
- No pen (purchase separately)
- No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

**Keyboard Backlight**

LED backlight

**UltraNav™**

3-button TrackPoint® pointing device and glass-like Mylar® surface multi-touch Trackpad, 67.6 x 115 mm (2.66 x 4.53 inches)

**Mechanical**

**Dimensions (WxDxH)<sup>[1]</sup>**

364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

**Weight<sup>[2]</sup>**

Starting at 2.95 kg (6.5 lbs)



**Case Color**

Storm grey (top), villi black (bottom)

**Case Material**

AL5052 (97.25% aluminium, 2.5% magnesium, and 0.25% chromium; top), PPS + 50% GF (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**

No onboard Ethernet<sup>[1]</sup>

**WLAN + Bluetooth®**

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>
- No WLAN and Bluetooth®

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional docking or Lenovo® USB-C® to Ethernet Adapter, up to 2.5GbE.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports<sup>[2]</sup>**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz (models with integrated graphics)
- 1x HDMI® 2.1, up to 8K/60Hz or 4K/240Hz (models with discrete graphics)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader

**Optional Ports\*\*\***

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

Notes:

[1] The transfer speed of the 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.

[2] Power Delivery only supports power-out for charging peripherals.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® P16 Gen 2](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (2.5Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P16 Gen 2](#)

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light

### ISV Certifications

#### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

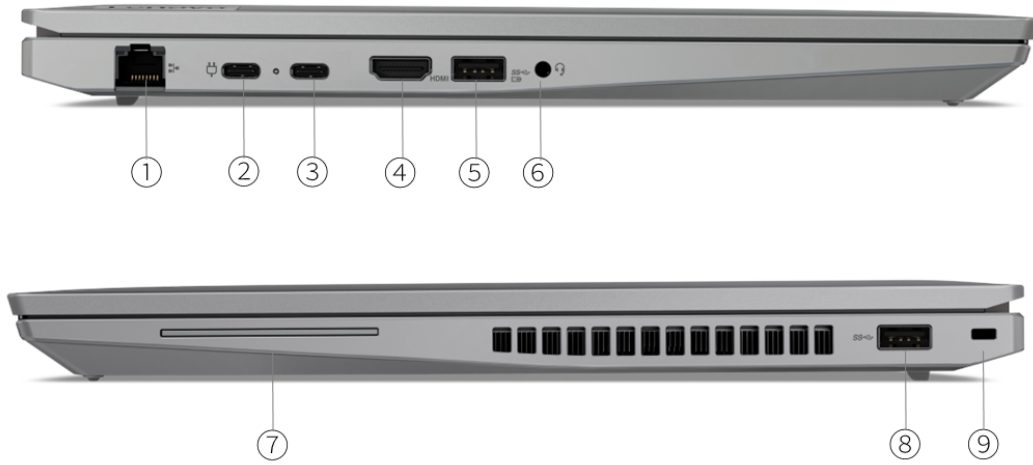
- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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## OVERVIEW



1. Ethernet (RJ-45)	6. Headphone / microphone combo jack (3.5mm)
2. USB4	7. Smart card reader *
3. USB-C 3.2 Gen 2	8. USB 3.2 Gen 1
4. HDMI	9. Security keyhole
5. USB 3.2 Gen 1 (Always On)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 PRO 7040U Series Processor, supports up to 8 cores, up to 5.1GHz

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 5 PRO 7540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M
AMD Ryzen™ 5 PRO 7545U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M
AMD Ryzen™ 7 PRO 7840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux
- Ubuntu Linux LTS
- Red Hat Enterprise Linux 9.1 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- No preload operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 740M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® 3.2 Gen 2 and USB4®)

- HDMI® supports up to 3840x2160@60Hz
- USB-C® 3.2 Gen 2 and USB4® support up to 5120x2880@60Hz (USB-C® to DP)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable
- Models with 64GB LPDDR5x: 64GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5x-7500 non-ECC, maximum transfer speeds of up to 6400 MT/s<sup>[1]</sup>

Notes:

[1] System comes with LPDDR5x-7500 DIMMs and will run at 6400 MT/s due to platform limitations.

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

**Storage Slot**

One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type\*\***

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

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

**Removable Storage**

**Card Reader**

No card reader

**Multi-Media**

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p + IR hybrid with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- HD 720p with privacy shutter, fixed focus

**Battery**

**Battery\*\***

- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 86Wh battery

**Power Adapter**

**Power Adapter\*\*[1]**

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:  
[1] AC adapter offerings depend on the country.

**DESIGN**

**Display**

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	85.4% screen to body ratio, DC dimming



16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	85.4% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ICC Template color calibration, Low power, Low Blue Light, Eyesafe <sup>®</sup> Certified 2.0, 85.4% screen to body ratio, DC dimming
16" <sup>[4]</sup>	WUXGA (1920x1200)	Multi-touch	IPS	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad <sup>®</sup> Privacy Guard
16"	WQUXGA (3840x2400)	None	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	X-Rite <sup>®</sup> Factory Color Calibration, Low Blue Light, Eyesafe <sup>®</sup> Certified 2.0, DisplayHDR <sup>™</sup> 400, Dolby Vision <sup>®</sup> , 85.4% screen to body ratio

**Color Calibration\*\***

- ICC Template color calibration (low power display)
- X-Rite<sup>®</sup> factory color calibration (OLED display)
- No color calibration

**Touchscreen**

- On-cell multi-touch, supports 10-point touch (selected FHD display)
- Non-touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

[4] 16" WUXGA ThinkPad<sup>®</sup> Privacy Guard panel may not be available in some countries or regions.

**Input Device**

**Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys, numeric keypad, Copilot key

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

3-button TrackPoint<sup>®</sup> pointing device and glass-like Mylar<sup>®</sup> surface multi-touch touchpad, 67 x 115 mm (2.64 x 4.53 inches)

**Mechanical**

**Dimensions (WxDxH)<sup>[1]</sup>**

361.98 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with black cover	Starting at 1.70 kg (3.76 lbs)
Models with grey cover	Starting at 1.74 kg (3.85 lbs)

**Case Color\*\***

- Storm grey
- Villi black

**Case Material\*\***

- Models with black cover: PC 50% GF + PC 20% CF (top), PPS (bottom)

- Models with grey cover: aluminium (top), PPS (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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN and AMD PRO Manageability

#### WLAN + Bluetooth®\*\*

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>
- AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

#### Notes:

[1], [2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

#### Standard Ports

- 2x USB 3.2 Gen 1 (one Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Security keyhole

#### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

#### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P16s Gen 2 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified) and Microsoft® Pluton TPM 2.0, one enabled at one time<sup>[1]</sup>

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

Notes:

[1] Microsoft® Pluton TPM 2.0 is only applicable on Windows® 11.

## MANAGEABILITY

### System Management

#### System Management

AMD PRO Manageability

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P16s Gen 2 \(AMD\)](#)

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery  
90% PCC recycled plastic used in 65W adapter  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light

## ISV Certifications

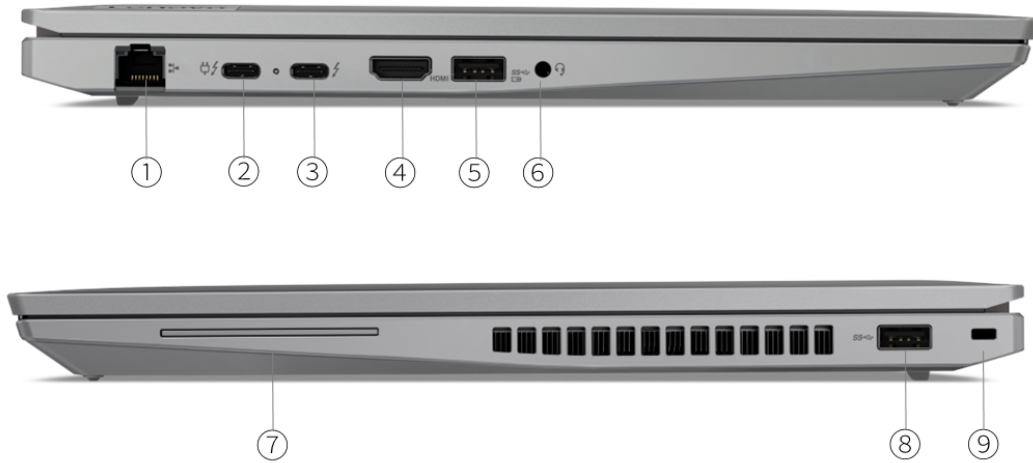
### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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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**OVERVIEW**



1. Ethernet (RJ-45)	6. Headphone / microphone combo jack (3.5mm)
2. Thunderbolt 4	7. Smart card reader *
3. Thunderbolt 4	8. USB 3.2 Gen 1
4. HDMI	9. Security keyhole
5. USB 3.2 Gen 1 (Always On)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation P series Intel® Core™ i5 / i7 processor, supports up to 14 cores, up to 5.2GHz

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics

Notes:

<sup>[1]</sup> 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.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux LTS
- Red Hat Enterprise Linux 9.1 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))<sup>[1]</sup>
- No preload operating system

Notes:

<sup>[1]</sup> Red Hat Enterprise Linux 9.1 certification will be available after Sep 29, 2023.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® RTX A500 Laptop GPU	Discrete	4GB GDDR6	30W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

Notes:

<sup>[1]</sup> 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 (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 3840x2160@60Hz
- Thunderbolt™ supports up to 7680x4320@60Hz

### Chipset

#### Chipset



Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable
- Models with 64GB LPDDR5x: 64GB soldered memory, not upgradable
- Models with DDR5 memory: up to 48GB (16GB soldered + 32GB SO-DIMM)

### Memory Slots\*\*

- Models with DDR5 memory: one memory soldered to systemboard, one DDR5 SO-DIMM slot, dual-channel capable
- Models with LPDDR5x memory: memory soldered to systemboard, no slots, dual-channel

### Memory Type\*\*

- DDR5-5600 non-ECC (models with integrated graphics), , maximum transfer speeds of up to 5200 MT/s<sup>[1]</sup>
- LPDDR5x-7500 non-ECC (models with discrete graphics), maximum transfer speeds of up to 4800 MT/s<sup>[2]</sup>

Notes:

[1] System comes with DDR5-5600 memory and will run at 5200 MT/s due to platform limitations.

[2] System comes with LPDDR5x-7500 memory and will run at 4800 MT/s due to platform limitations.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p + IR hybrid with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- HD 720p with privacy shutter, fixed focus

## Battery

### Battery\*\*

- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 86Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter

## Power Adapter

**Power Adapter\*\*<sup>[1]</sup>**

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 135W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

<sup>[1]</sup> AC adapter offerings depend on the country.

## DESIGN

### Display

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	85.4% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	85.4% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ICC Template color calibration, Low power, Low Blue Light, Eyesafe® Certified 2.0, 85.4% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard
16"	WQUXGA (3840x2400)	None	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	X-Rite® Factory Color Calibration, Low Blue Light, Eyesafe® Certified 2.0, DisplayHDR™ 400, Dolby Vision®, 85.4% screen to body ratio

**Color Calibration**

- ICC Template color calibration (low power display)
- X-Rite® factory color calibration (OLED display)
- No color calibration

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

<sup>[1]</sup>, <sup>[2]</sup>, <sup>[3]</sup>, <sup>[4]</sup> IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

**Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

3-button TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 67 x 115 mm (2.64 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

Models	Dimensions
NVIDIA® graphics models	361.9 x 255.5 x 21.1 mm (14.25 x 10.06 x 0.83 inches)
Integrated graphics models	361.98 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with black cover	Starting at 1.70 kg (3.76 lbs)
Models with grey cover	Starting at 1.73 kg (3.83 lbs)

**Case Color\*\***

- Storm grey
- Villi black

**Case Material\*\***

- Models with black cover: PC 50% GF + PC 20% CF (top), PPS (bottom)
- Models with grey cover: aluminium (top), PPS (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\***

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1], [2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-

Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 2x USB 3.2 Gen 1 (one Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Security keyhole

### Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P16s Gen 2 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

## System Management

### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P16s Gen 2 \(Intel®\)](#)

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
98% PCC recycled plastic used in speaker enclosure

97% PCC recycled plastic used in the battery  
90% PCC recycled plastic used in 65W adapter  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light

### ISV Certifications

#### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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.
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**OVERVIEW**



1. Smart card reader *	6. HDMI
2. Nano-SIM card slot *	7. 2x Thunderbolt 4
3. USB-A (USB 5Gbps)	8. USB-A (USB 5Gbps), Always On
4. Ethernet (GbE RJ-45)	9. Headphone jack (3.5mm)
5. Kensington Nano Security Slot	

Notes:

- Items with \* are only available on selected models



## PERFORMANCE

### Processor

#### Processor Family

Intel® H Series Core Ultra 5 / 7 / 9 Processor; supports up to 16 cores; up to 5.1GHz; TDP ratings of up to 55W

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 5 135H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.6GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 9 185H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 2.3GHz / E-core 1.8GHz / LPE-core 1GHz	P-core 5.1GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost

Notes:

[1] Intel® Arc™ graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Ubuntu Linux LTS<sup>[1]</sup>
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- No preload operating system

Notes:

[1] Ubuntu Linux LTS will be available after August 6th, 2024.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® RTX 500 Ada Generation Laptop GPU	Discrete	4GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

## Notes:

[1] Intel® Arc™ graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ 4 and HDMI®).

Max resolution for multiple external display:

- 3x 3840x2160@60Hz (Thunderbolt™ 4 and HDMI®)

Max resolution for single external display:

- Thunderbolt™ 4 supports up to 7680x4320@60Hz
- HDMI® supports up to 7680x4320@60Hz (with DSC)<sup>[1]</sup>

## Notes:

[1] 8K (7680x4320@60Hz) support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 96GB (2x 48GB DDR5 SO-DIMM)

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600 non-ECC, maximum transfer speeds of up to 5600 MT/s

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

## Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus, temporal noise reduction
- 5.0MP + IR with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP with privacy shutter, fixed focus, temporal noise reduction

## Battery

### Battery\*\*

- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 75Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 135W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

# DESIGN

## Display

### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	88% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	On-cell multi-touch	IPS	300nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	88% screen to body ratio, Eyesafe® Certified 2.0, TÜV Low Blue Light, DC dimming
16"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	88% screen to body ratio, Eyesafe® Certified 2.0, DC dimming
16"	WQUXGA (3840x2400)	None	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	89° / 89° / 89° / 89°	88% screen to body ratio, Eyesafe® Certified 2.0, TÜV Low Blue Light, Dolby Vision®, DisplayHDR™ True Black 500, X-Rite® Factory Color Calibration, PWM dimming

### Color Calibration

- X-Rite® factory color calibration (WQUXGA display)
- No color calibration

### Touchscreen

- On-cell multi-touch, supports 10-point touch (selected WUXGA display)
- Non-touch

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, Copilot key

### Keyboard Backlight

LED backlight

### UltraNav™

3-button TrackPoint® pointing device and glass-like Mylar® surface multi-touch TrackPad, 67.6 x 115 mm (2.66 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

361.5 x 248.6 x 21.13 mm (14.24 x 9.79 x 0.83 inches)

### Weight<sup>[2]</sup>

Starting at 1.82 kg (4.01 lbs)

### Case Color

Black

### Case Material

Aluminium (top), aluminium (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>

#### WWAN

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

No support

Notes:

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

#### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Security keyhole

## Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

## Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P16s Gen 3](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Camera privacy shutter
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise
- Non-vPro®

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps  
98% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the battery  
90% PCC recycled plastic used in 100W and 135W adapters

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 10.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light

## ISV Certifications

### ISV Certifications

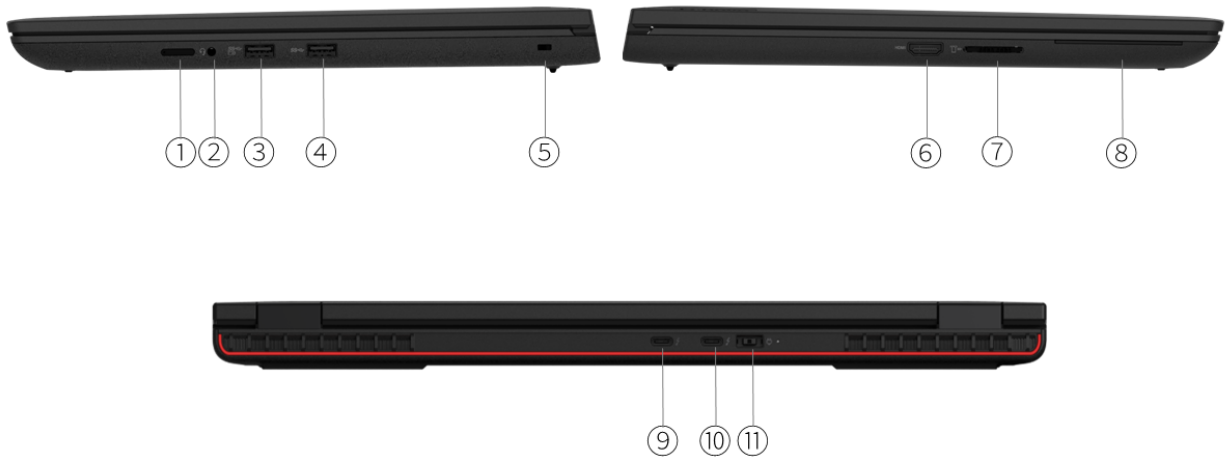
Please visit [ISV certifications for Lenovo® Workstations](#)

- 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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## OVERVIEW



1. Nano-SIM card slot *	7. SD Express 7.0 card reader
2. Headphone jack (3.5mm)	8. Smart card reader *
3. USB 3.2 Gen 1 (Always On)	9. USB4
4. USB 3.2 Gen 1	10. USB4
5. Kensington Nano Security Slot	11. Power-in (Slim Tip)
6. HDMI	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Up to AMD Ryzen™ PRO 7040HS Series Processor, supports up to 8 cores, up to 5.2GHz

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 5 PRO 7640HS	6	12	4.3GHz	5.0GHz	6MB L2 / 16MB L3	AMD Radeon™ 760M
AMD Ryzen™ 7 7840HS	8	16	3.8GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M
AMD Ryzen™ 7 PRO 7840HS	8	16	3.8GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M
AMD Ryzen™ 9 PRO 7940HS	8	16	4.0GHz	5.2GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux LTS
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))<sup>[1]</sup>
- No preload operating system

Notes:

[1] Red Hat Enterprise Linux 9.2 certification will be available after Nov 30, 2023.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 760M	Integrated	Shared	Share CPU TDP	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	Share CPU TDP	DirectX® 12
NVIDIA® RTX 2000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX A1000 Laptop GPU	Discrete	6GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX A500 Laptop GPU	Discrete	4GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB4®)

- HDMI® supports up to 7680x4320@60Hz
- USB4® supports up to 5120x3200@60Hz (USB-C® to DP)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

Up to 64GB (2x 32GB DDR5 SO-DIMM)

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

**Memory Type**

DDR5-5600 non-ECC, maximum transfer speeds of up to 5600 MT/s

**Storage**

**Storage Support<sup>[1]</sup>**

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 4TB, 2TB each

**Storage Slot**

Two M.2 2280 PCIe® 4.0 x4 slots

**Storage Type**

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

**Removable Storage**

**Card Reader**

SD Express 7.0 card reader

**Multi-Media**

**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

- Dual-microphone array, far-field, Dolby Voice®
- No microphone

**Camera\*\***

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p with privacy shutter, fixed focus
- No camera

**Battery**

**Battery**

Integrated Li-Polymer 90Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Power Adapter**

**Power Adapter\*\*<sup>[1]</sup>**

- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

**DESIGN**

**Display**

**Display\*\*<sup>[1]</sup>**

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features

									(L/R/U/D)	
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	83.9% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	1200:1	100% sRGB	85° / 85° / 85° / 85°	TÜV Low Blue Light, 83.9% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	83.9% screen to body ratio, DC dimming
16"	WQUXGA (3840x2400)	None	IPS	800nits	Anti-glare	16:10	1500:1	100% DCI-P3	85° / 85° / 85° / 85°	DisplayHDR™ 400, Dolby Vision®, Eyesafe® Certified 2.0, TÜV Low Blue Light, X-Rite® Factory Color Calibration, 83.9% screen to body ratio, DC dimming

**Color Calibration**

- X-Rite® factory color calibration (WQUXGA display)
- No color calibration

**Touchscreen**

- On-cell multi-touch, supports 10-point touch (selected FHD display)
- Non-touch

Notes:

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

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

**Keyboard Backlight**

LED backlight

**UltraNav™**

3-button TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 67.6 x 115 mm (2.66 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

365 x 262 x 24.66 mm (14.37 x 10.32 x 0.97 inches)

**Weight<sup>[2]</sup>**

Starting at 2.2 kg (4.85 lbs)

**Case Color**

Thunder black

**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

No onboard Ethernet

### WLAN + Bluetooth®

Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

- Near Field Communication
- No support

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### Notes:

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 2x USB 3.2 Gen 1 (one Always On)
- 2x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)<sup>[2]</sup>
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

### Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

### 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.

[2] Power Delivery only supports power-out for charging peripherals.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P16v Gen 1 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

## Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

## Smart Card Reader

- Smart card reader
- No smart card reader

## Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

## BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

## Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

# MANAGEABILITY

## System Management

### System Management

- AMD PRO Manageability
- Non-DASH

# SERVICE

## Warranty

### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

# ACCESSORIES

## Bundled Accessories

### Bundled Accessories\*\*\*[1]

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P16v Gen 1 \(AMD\)](#)

# OPERATING REQUIREMENTS

## Operating Environment

### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)

- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery  
30% PCC recycled plastic used in 135W and 170W adapters  
90% recycled and/or sustainable packaging

Notes:

- [1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

- [3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Eyesafe® Certified
- (Optional) TÜV Rheinland® Low Blue Light

### ISV Certifications

#### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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.
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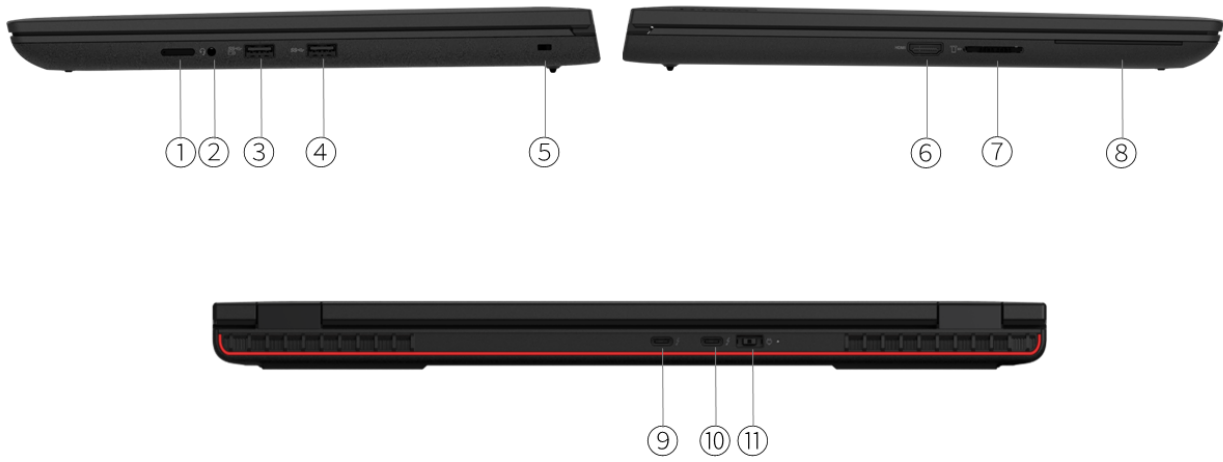
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## OVERVIEW



1. Nano-SIM card slot *	7. SD Express 7.0 card reader
2. Headphone jack (3.5mm)	8. Smart card reader *
3. USB 3.2 Gen 1 (Always On)	9. Thunderbolt 4
4. USB 3.2 Gen 1	10. Thunderbolt 4
5. Kensington Nano Security Slot	11. Power-in (Slim Tip)
6. HDMI	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation H series Intel® Core™ i5 / i7 / i9 processor, supports up to 14 cores, up to 5.4GHz

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-13500H	12 (4 P-core + 8 E-core)	16	P-core 2.6GHz / E-core 1.9GHz	P-core 4.7GHz / E-core 3.5GHz	18MB	Intel® Iris® Xe Graphics
Core i7-13700H	14 (6 P-core + 8 E-core)	20	P-core 2.4GHz / E-core 1.8GHz	P-core 5.0GHz / E-core 3.7GHz	24MB	Intel® Iris® Xe Graphics
Core i7-13800H	14 (6 P-core + 8 E-core)	20	P-core 2.5GHz / E-core 1.8GHz	P-core 5.2GHz / E-core 4.0GHz	24MB	Intel® Iris® Xe Graphics
Core i9-13900H	14 (6 P-core + 8 E-core)	20	P-core 2.6GHz / E-core 1.9GHz	P-core 5.4GHz / E-core 4.1GHz	24MB	Intel® Iris® Xe Graphics

Notes:

<sup>[1]</sup> 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.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux LTS<sup>[1]</sup>
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))<sup>[2]</sup>
- No preload operating system

Notes:

<sup>[1]</sup> Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

<sup>[2]</sup> Red Hat Enterprise Linux 9.2 certification will be available after Aug 18, 2023.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® RTX 2000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX A1000 Laptop GPU	Discrete	6GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX A500 Laptop GPU	Discrete	4GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

Notes:

<sup>[1]</sup> 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 (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 7680x4320@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz (Thunderbolt™ or USB-C® to DP)

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 64GB (2x 32GB DDR5 SO-DIMM)

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600 non-ECC, maximum transfer speeds of up to 5200 MT/s<sup>[1]</sup>

Notes:

[1] System comes with DDR5-5600 memory and will run at 5200 MT/s due to platform limitations.

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 4TB, 2TB each

### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

## RAID

RAID 0/1 support

Notes:

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

## Removable Storage

### Card Reader

SD Express 7.0 card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

- Dual-microphone array, far-field, Dolby Voice®
- No microphone

### Camera\*\*

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- FHD 1080p with privacy shutter, fixed focus
- No camera

## Battery

### Battery

Integrated Li-Polymer 90Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

<sup>[1]</sup> AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	83.9% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	1200:1	100% sRGB	85° / 85° / 85° / 85°	TÜV Low Blue Light, 83.9% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	83.9% screen to body ratio, DC dimming
16"	WQUXGA (3840x2400)	None	IPS	800nits	Anti-glare	16:10	1500:1	100% DCI-P3	85° / 85° / 85° / 85°	DisplayHDR™ 400, Dolby Vision®, Eyesafe® Certified 2.0, TÜV Low Blue Light, X-Rite® Factory Color Calibration, 83.9% screen to body ratio, DC dimming

#### Color Calibration

- X-Rite® factory color calibration (WQUXGA display)
- No color calibration

#### Touchscreen

- On-cell multi-touch, supports 10-point touch (selected FHD display)
- Non-touch

Notes:

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

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

#### Keyboard Backlight

LED backlight on optional keyboard

#### UltraNav™

3-button TrackPoint® pointing device and Mylar® surface multi-touch touchpad, 67.6 x 115 mm (2.66 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

365 x 262 x 24.66 mm (14.37 x 10.32 x 0.97 inches)

**Weight<sup>[2]</sup>**

Starting at 2.2 kg (4.85 lbs)

**Case Color**

Thunder black

**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**

No onboard Ethernet<sup>[1]</sup>

**WLAN + Bluetooth®**

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional docking or Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 2x USB 3.2 Gen 1 (one Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)<sup>[2]</sup>
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

**Optional Ports**

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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.

[2] Power Delivery only supports power-out for charging peripherals.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P16v Gen 1 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

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Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>\*\*</sup><sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® P16v Gen 1 \(Intel®\)](#)

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery  
30% PCC recycled plastic used in SIM tray  
30% PCC recycled plastic used in 135W and 170W adapters  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

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](https://www.epeat.net) and [energystar.gov](https://www.energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://www.epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light

## ISV Certifications

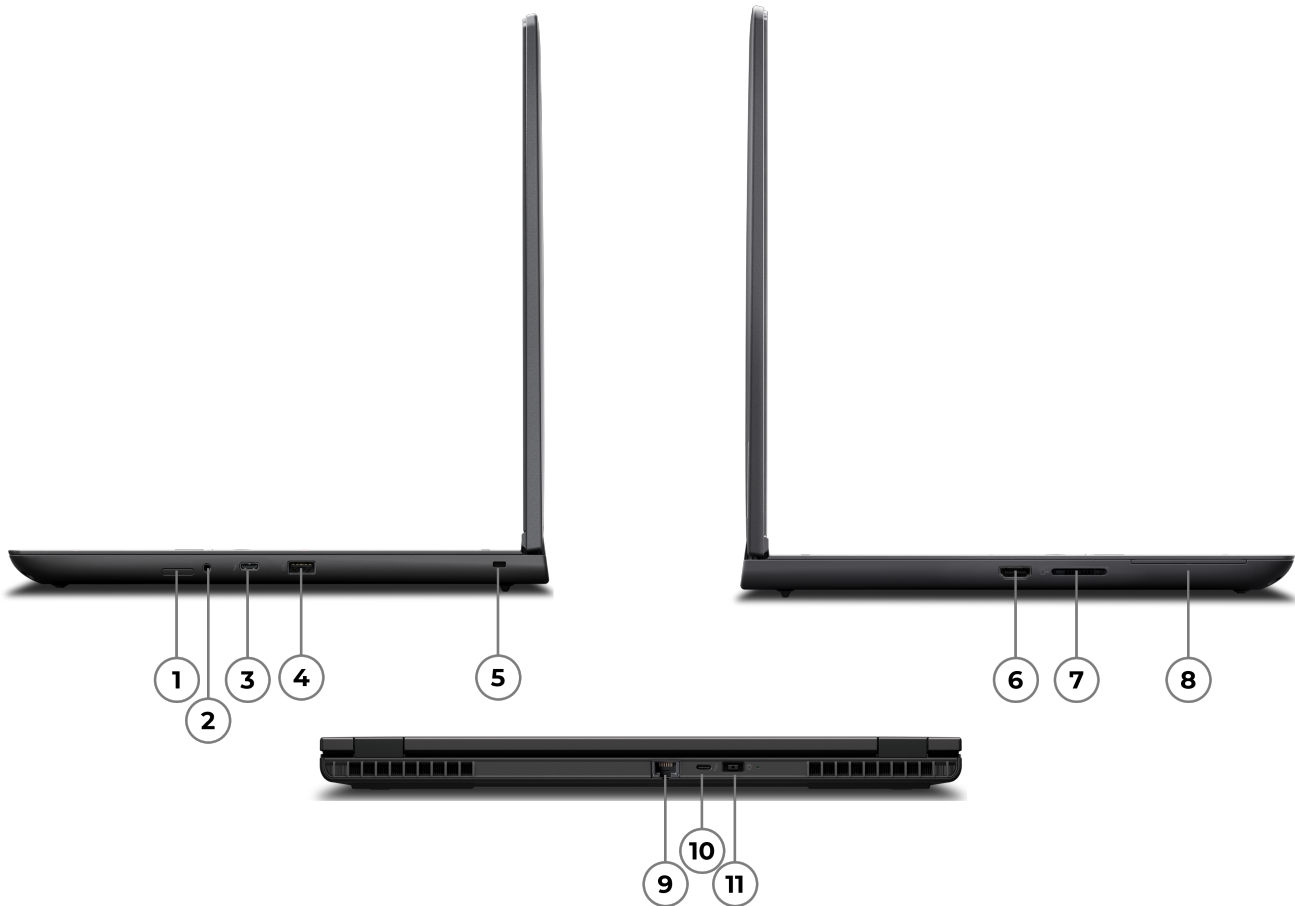
### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- 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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## OVERVIEW



1. Nano-SIM card slot *	7. SD Express 7.0 card reader
2. Headphone / microphone combo jack (3.5mm)	8. Smart card reader *
3. Thunderbolt 4	9. Ethernet (GbE RJ-45)
4. USB-A (USB 5Gbps), Always On	10. Thunderbolt 4
5. Kensington Nano Security Slot	11. Power connector
6. HDMI	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® H Series Core Ultra 7 / 9 Processor; supports up to 16 cores; up to 5.1GHz; TDP ratings of up to 45W

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 9 185H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 2.3GHz / E-core 1.8GHz / LPE-core 1GHz	P-core 5.1GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost

Notes:

[1] Intel® Arc™ graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux LTS
- Red Hat Enterprise Linux 9.2 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))<sup>[1]</sup>
- No preload operating system

Notes:

[1] Red Hat Enterprise Linux 9.2 certification will be available after June 28th, 2024.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1
NVIDIA® RTX 500 Ada Generation Laptop GPU	Discrete	4GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 1000 Ada Generation Laptop GPU	Discrete	6GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 2000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager
NVIDIA® RTX 3000 Ada Generation Laptop GPU	Discrete	8GB GDDR6	35W	DirectX® 12 Ultimate, Vulkan Support, NVIDIA® FXAA / TXAA Anti-Aliasing, NVIDIA® RTX Desktop Manager

## Notes:

[1] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ 4 and HDMI®).

Max resolution for multiple external display:

- 3x 3840x2160@60Hz (Thunderbolt™ 4 and HDMI®)

Max resolution for single external display:

- Thunderbolt™ 4 supports up to 7680x4320@60Hz
- HDMI® supports up to 7680x4320@60Hz

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 96GB (2x 48GB DDR5 SO-DIMM)

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600 non-ECC, maximum transfer speeds of up to 5600 MT/s

## Storage

### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 4TB, 2TB each

### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

### RAID

RAID 0/1 support

## Notes:

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

## Removable Storage

### Card Reader

SD Express 7.0 card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

- Dual-microphone array, far-field, Dolby Voice®
- No microphone

**Camera\*\***

- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus, temporal noise reduction
- FHD 1080p with privacy shutter, fixed focus, temporal noise reduction
- No camera

**Battery**

**Battery**

Integrated Li-Polymer 90Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Power Adapter**

**Power Adapter\*\*<sup>[1]</sup>**

- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- 170W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN**

**Display**

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	83.9% screen to body ratio, DC dimming
16"	WUXGA (1920x1200)	On-cell touch	IPS	300nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	83.9% screen to body ratio, Eyesafe® Certified 2.0, TÜV Low Blue Light, DC dimming
16"	WUXGA (1920x1200)	None	IPS	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	83.9% screen to body ratio, TÜV Low Blue Light, DC dimming
16"	WQUXGA (3840x2400)	None	IPS	800nits	Anti-glare	16:10	1500:1	100% DCI-P3	60Hz	85° / 85° / 85° / 85°	83.9% screen to body ratio, DisplayHDR™ 400, Dolby Vision®, Eyesafe® Certified 2.0, TÜV Low Blue Light, X-Rite® Factory Color Calibration, DC dimming

**Color Calibration**

- X-Rite® factory color calibration (WQUXGA display)
- No color calibration

**Touchscreen**

- On-cell multi-touch, supports 10-point touch (selected FHD display)
- Non-touch

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

### Keyboard Backlight

LED backlight

### UltraNav™

3-button TrackPoint® pointing device and Mylar® surface multi-touch Trackpad, 67.6 x 115 mm (2.66 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

365 x 262 x 24.66 mm (14.37 x 10.32 x 0.97 inches)

### Weight<sup>[2]</sup>

Starting at 2.22 kg (4.90 lbs)

### Case Color

Black

### 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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[1]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality<sup>[2]</sup>
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

Notes:

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[2] Quectel RM520N-GL is only available in EMEA and ANZ.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1<sup>[2]</sup>
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

### Optional Ports

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### Notes:

[1] The transfer speed of the 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.

[2] Power Delivery only supports power-out for charging peripherals.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P16v Gen 2](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

Smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- NVMe® password
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection for IR camera

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise
- Non-vPro®

## SERVICE



## Warranty

### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to VGA Adapter

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

85% PCC recycled plastic used in key caps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery  
30% PCC recycled plastic used in SIM tray  
30% PCC recycled plastic used in 135W and 170W adapters  
Plastic free packaging with 90% recycled and/or FSC certified content (retail / standard / bluk packaging)

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified 9.0

## 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

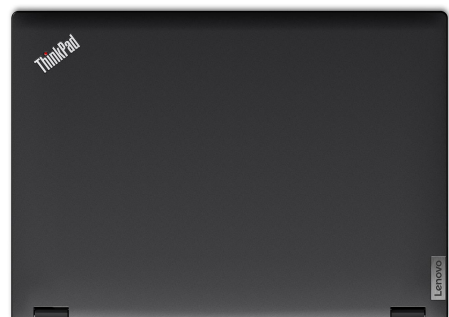
- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light

## ISV Certifications

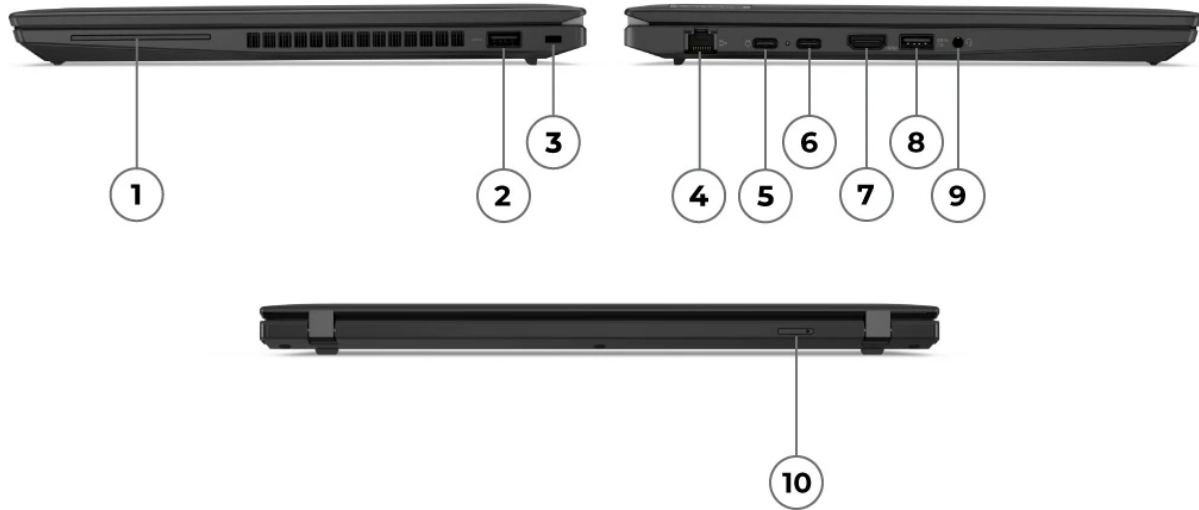
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## OVERVIEW



1. Smart card reader *	6. USB-C 3.2 Gen 2
2. USB 3.2 Gen 1	7. HDMI
3. Kensington Nano Security Slot	8. USB 3.2 Gen 1 (Always On)
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. USB4 40Gbps	10. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 5 PRO 7540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 7 PRO 7840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### AI PC Category

AI PC<sup>[1]</sup>

#### NPU

Integrated AMD Ryzen™ AI, up to 10 TOPS<sup>[2]</sup>

Notes:

[1], [2] Only for the models with AMD Ryzen™ 7 PRO 7840U processor.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ 740M	Integrated	Shared	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and USB4®)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 4K@60Hz (4 displays output), 5K@60Hz (3 displays output) or 5K@120Hz (up to 2 displays output)
- USB4® supports up to 4K@60Hz (4 displays output), 5K@60Hz (3 displays output) or 5K@120Hz (up to 2 displays output)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

## Memory

### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type\*\*

- LPDDR5-6400 (8GB)
- LPDDR5x-6400 (16GB or 32GB)<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 39.3Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life**<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 14.3 hr with 692 performance score @250nits

JEITA 2.0: up to 22.0 hr @150nits

Local video playback: up to 17.6 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 10.3 hr with 647 performance score @250nits

JEITA 2.0: up to 16.1 hr @150nits

Local video playback: up to 14.1 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 5.0 hr with 645 performance score @250nits

JEITA 2.0: up to 7.4 hr @150nits

Local video playback: up to 7.6 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA Low Power (non-touch), AMD Ryzen™ 7 PRO 7840U, 16GB LPDDR5x, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA 300nits (touch), AMD Ryzen™ 5 PRO 7540U, 16GB LPDDR5x, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 3: 2.8K OLED (non-touch), AMD Ryzen™ 5 PRO 7540U, 32GB LPDDR5x, Win 11, 39.3Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter**\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN****Display****Display**\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	700:1	45% NTSC	85° / 85° / 85° / 85°	-
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	700:1	45% NTSC	85° / 85° / 85° / 85°	-

14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	800:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard
14"	2.2K (2240x1400)	None	IPS <sup>[5]</sup>	300nits	Anti-glare	16:10	1500:1	100% sRGB	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

[1], [2], [3], [4], [5] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

317.7 x 226.9 x 17.9 mm (12.51 x 8.93 x 0.70 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with thunder black cover and 39.3Wh battery	Starting at 1.35 kg (2.96 lbs)
Models with storm grey cover and 39.3Wh battery	Starting at 1.38 kg (3.05 lbs)
Models with thunder black cover and 52.5Wh battery	Starting at 1.39 kg (3.05 lbs)
Models with storm grey cover and 52.5Wh battery	Starting at 1.42 kg (3.13 lbs)

**Case Color\*\***

- Storm grey
- Thunder black

**Case Material\*\***

- Storm grey models: aluminium (top), aluminium (bottom)
- Thunder black models: carbon fiber hybrid (top), PPS (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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN

### WLAN + Bluetooth®\*\*<sup>[1]</sup>

- MediaTek Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3
- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

- Near Field Communication
- No support

### Notes:

<sup>[1]</sup> Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### Notes:

<sup>[1]</sup> 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14 Gen 4 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

**Security Chip**

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

**Fingerprint Reader<sup>[1]</sup>**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

**Other Security**

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

Notes:

[1] Fingerprint reader is standard on storm grey models and optional on thunder black models.

## MANAGEABILITY

### System Management

**System Management**

DASH

## SERVICE

### Warranty

**Base Warranty\*\***

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty<sup>[1]</sup>

Notes:

[1] No base warranty is for special bid only.

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*\*<sup>[1]</sup>**

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)

- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14 Gen 4 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on storm grey top cover  
55% recycled aluminium on storm grey bottom cover  
90% recycled magnesium on keyboard frame  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 39.3Wh and 52.5Wh battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
Standard packaging: 90% plastic free packaging  
Bulk packaging: 90% recycled and FSC certified content

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

## Mil-Spec Test

MIL-STD-810H military test passed

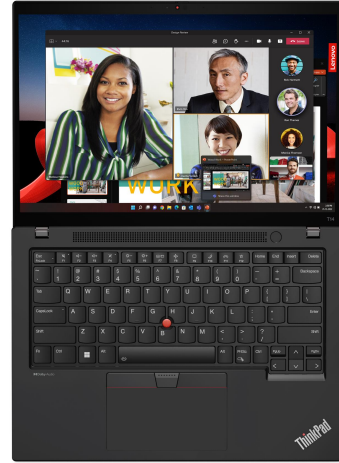
## Other Certifications

(Optional) Eyesafe® Certified 2.0

- 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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AMD



AMD



AMD



AMD

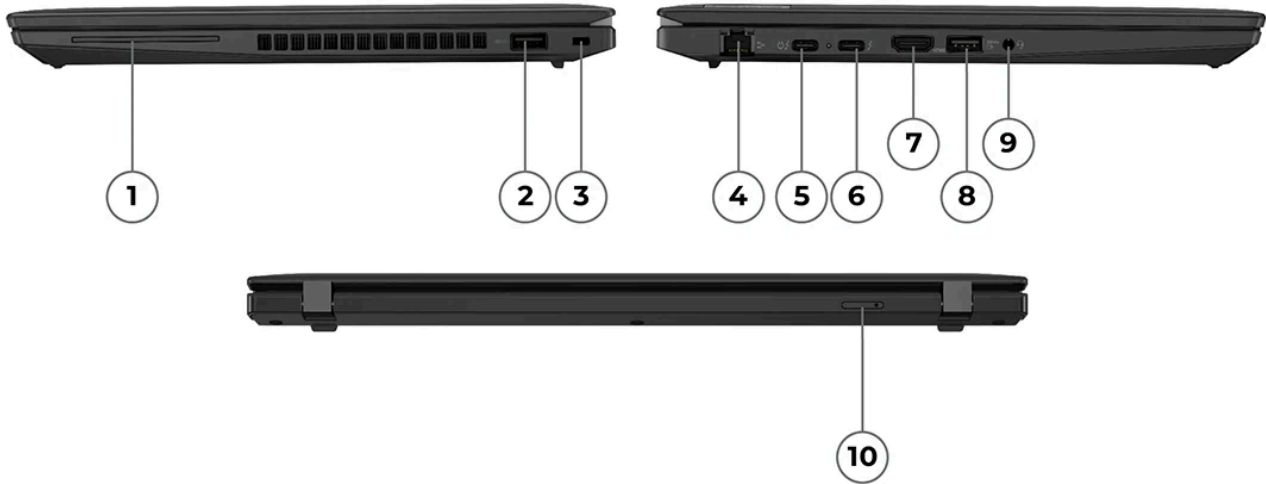


AMD



AMD

## OVERVIEW



1. Smart card reader *	6. Thunderbolt 4
2. USB 3.2 Gen 1	7. HDMI
3. Kensington Nano Security Slot	8. USB 3.2 Gen 1 (Always On)
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Thunderbolt 4	10. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	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.  
Intel® P series processors are for special bid only.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	DirectX® 12.1
NVIDIA® GeForce MX550 <sup>[2]</sup>	Discrete	4GB GDDR6	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.

[2] Discrete graphics is available only with Intel® P series processors.

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt™ supports up to 5K@60Hz
- HDMI® supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

- Models with DDR4 memory: up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200
- Models with DDR5 memory: up to 32GB (16GB soldered + 16GB SO-DIMM) DDR5-5200
- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable

### Memory Slots\*\*

- Models with DDR4 memory: one memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable
- Models with DDR5 memory: one memory soldered to systemboard, one DDR5 SO-DIMM slot, dual-channel capable
- Models with LPDDR5x memory: memory soldered to systemboard, no slots, dual-channel

### Memory Type\*\*

- DDR4-3200 (models with integrated graphics)
- DDR5-5200 (models with integrated graphics)<sup>[2]</sup>
- LPDDR5x-4800 (models with discrete graphics)<sup>[3]</sup>

Notes:

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

[2] Installed memory is actually DDR5-5600 but run as DDR5-5200 due to platform limitation.

[3] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip



High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 39.3Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 9.5 hr @250nits

JEITA 2.0: up to 21.7 hr @150nits

Local video playback: up to 17.5 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.2 hr @250nits

JEITA 2.0: up to 20.3 hr @150nits

Local video playback: up to 17.0 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 7.2 hr @250nits

JEITA 2.0: up to 12.9 hr @150nits

Local video playback: up to 11.7 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel® i5-1335U, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA low power (non-touch), Intel® i5-1340P, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® i5-1350P, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

# ThinkPad T14 Gen 4 (Intel)

- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	700:1	45% NTSC	85° / 85° / 85° / 85°	-
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	700:1	45% NTSC	85° / 85° / 85° / 85°	-
14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	800:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard
14"	2.2K (2240x1400)	None	IPS <sup>[5]</sup>	300nits	Anti-glare	16:10	1500:1	100% sRGB	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3], [4], [5] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

317.7 x 226.9 x 17.9 mm (12.51 x 8.93 x 0.70 inches)

#### Weight<sup>[2]</sup>

Models	Weight
Models with thunder black cover, integrated graphics and 39.3Wh battery	Starting at 1.32 kg (2.92 lbs)

Models with storm grey cover and 39.3Wh battery	Starting at 1.36 kg (3.0 lbs)
Models with thunder black cover, integrated graphics and 52.5Wh battery	Starting at 1.37 kg (3.01 lbs)
Models with thunder black cover, discrete graphics and 39.3Wh battery	Starting at 1.38 kg (3.05 lbs)
Models with storm grey cover and 52.5Wh battery	Starting at 1.40 kg (3.09 lbs)
Models with thunder black cover, discrete graphics and 52.5Wh battery	Starting at 1.42 kg (3.14 lbs)

**Case Color\*\***

- Storm grey
- Thunder black

**Case Material\*\***

- Storm grey models: aluminium (top), PPS (bottom)
- Thunder black models: carbon fiber hybrid (top), PPS (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*[1]**

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

## Notes:

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

**Optional Ports**

\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

**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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14 Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader<sup>[1]</sup>

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader<sup>[2]</sup>

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) RFID reader<sup>[3]</sup>

---

**Notes:**

[1] Smart card reader is mutually exclusive with RFID reader.

[2] Fingerprint reader is standard on storm grey models and optional on thunder black models.

[3] RFID reader is mutually exclusive with smart card reader.

## MANAGEABILITY

### System Management

## System Management\*\*

- Intel® vPro® Enterprise<sup>[1]</sup>
- Intel® vPro® Essentials<sup>[2]</sup>
- Non-vPro®

Notes:

[1], [2] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14 Gen 4 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

55% recycled aluminium on storm grey top cover  
90% recycled magnesium on keyboard frame  
98% PCC recycled plastic used in speaker enclosure

Up to 30% PCC recycled plastic used in the 39.3Wh and 97% in 52.5Wh battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
Standard packaging: 90% plastic free packaging  
Bulk packaging: 90% recycled and FSC certified content

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

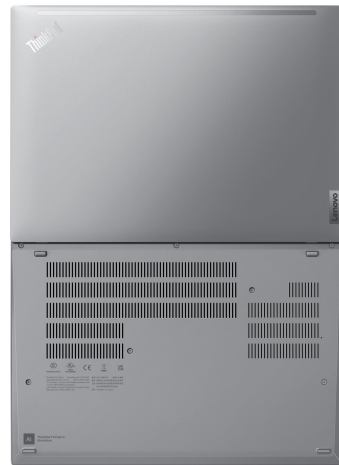
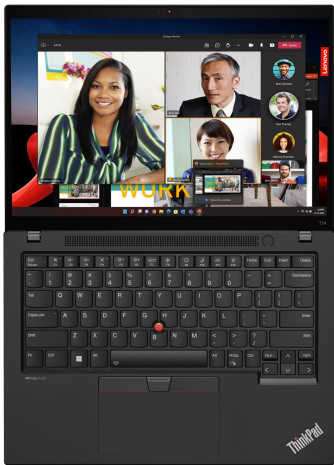
#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

(Optional) Eyesafe® Certified 2.0

- 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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## OVERVIEW



1. Smart card reader *	6. 2x Thunderbolt 4
2. Nano-SIM card slot *	7. HDMI
3. USB-A (USB 5Gbps)	8. USB-A (USB 5Gbps), Always On
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Kensington Nano Security Slot	

Notes:

- Items with \* are only available on selected models



## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 8000 Series Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 5 PRO 8540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 7 PRO 8840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### AI PC Category

AI PC<sup>[1]</sup>

#### NPU

Integrated AMD Ryzen™ AI, up to 16 TOPS<sup>[2]</sup>

Notes:

[1], [2] Only for the models with AMD Ryzen™ 7 PRO 8840U processor.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1], [2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ 740M	Integrated	Shared	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 5K@60Hz

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

Up to 64GB DDR5-5600

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP, with privacy shutter, fixed focus, temporal noise reduction
- No camera<sup>[1]</sup>

Notes:

[1] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 39.3Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter<sup>[2]</sup>
- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[3]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 13.6 hr with 707 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.20 hr / 21.62 hr @200nits

Local video playback: up to 16.98 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 12.25 hr with 704 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 9.23 hr / 16.75 hr @200nits

Local video playback: up to 15.28 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.25 hr with 687 performance score @250nits  
 JEITA-BAT 3.0 (Video/Idle): up to 7.88 hr / 12.20 hr @200nits  
 Local video playback: up to 12.37 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] 39.3Wh battery is for special bid only.

[3] Configuration 1 (max battery life): WUXGA Low Power (non-touch), AMD Ryzen™ 7 PRO 8840U, 16GB (2x 8GB) DDR5-5600, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 PRO 8540U, 16GB (2x 8GB) DDR5-5600, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), AMD Ryzen™ 5 PRO 8540U, 16GB (2x 8GB) DDR5-5600, Win 11, 39.3Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	85.73% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	Eyesafe® Certified 2.0, 85.73% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0, 85.73% screen to body ratio
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	ThinkPad® Privacy Guard, 85.73% screen to body ratio

14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti- reflection, anti- smudge	16:10	100,000:1	100% DCI- P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 85.73% screen to body ratio
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**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys, Copilot key

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

315.9 x 223.7 x 17.7 mm (12.44 x 8.81 x 0.7 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with grey cover and 39.3Wh battery	Starting at 1.37 kg (3.02 lbs)
Models with black cover and 52.5Wh battery	Starting at 1.39 kg (3.06 lbs)
Models with black cover and 39.3Wh battery	Starting at 1.31 kg (2.89 lbs)
Models with grey cover and 52.5Wh battery	Starting at 1.43 kg (3.15 lbs)

**Case Color\*\***

- Black
- Grey

**Case Material\*\***

- Models with black cover: PC + 20% CF (top), PC + 20% CF (bottom)
- Models with grey cover: aluminium (top), PC + 20% CF (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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>
- Qualcomm® Wi-Fi® 7 NCM825, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC<sup>[4]</sup>**

- Near Field Communication
- No support

---

**Notes:**

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

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[4] NFC is NOT available for grey models.

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

**Optional Ports\*\*\***

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

**Notes:**

[1] The transfer speed of the 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.

**Docking****Docking**

Various docking solutions supported via Thunderbolt™.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14 Gen 5 \(AMD\)](#)

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

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

## Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

## Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

## Fingerprint Reader<sup>[1]</sup>

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

## BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

## Other Security

- Camera privacy shutter (camera models)
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

---

Notes:

[1] Fingerprint reader is standard on grey models and optional on black models.

# MANAGEABILITY

## System Management

### System Management

DASH

# SERVICE

## Warranty

### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty<sup>[1]</sup>

---

Notes:

[1] No base warranty is for special bid only.

# ACCESSORIES

## Bundled Accessories

### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

## Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14 Gen 5 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

## Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% recycled carbon fiber on black top cover  
50% recycled aluminium on grey top cover  
45% PCC recycled plastic on bottom cover of WWAN models  
30% PCC recycled plastic on bottom cover of non-WWAN models  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery frame  
85% PCC recycled plastic for backlit keycaps  
70% PCC recycled plastic for non-backlit keycaps  
90% PCC recycled plastic used in 65W and 65W slim adapters  
Plastic free recycled standard packaging

## Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

## 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

## Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

(Optional) Eyesafe® Certified 2.0

- 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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AMD



AMD



AMD



AMD



AMD



AMD

## OVERVIEW



1. Smart card reader *	6. 2x Thunderbolt 4
2. Nano-SIM card slot *	7. HDMI
3. USB-A (USB 5Gbps)	8. USB-A (USB 5Gbps), Always On
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Kensington Nano Security Slot	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[1]</sup>	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.6GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[2]</sup>	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[3]</sup>	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[4]</sup>	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

Notes:

[1], [2], [3], [4] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Windows® 10 IoT Enterprise LTSC 2021
- Fedora Linux
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

## Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

## Graphics

### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	DirectX® 12.2
Intel® Graphics	Integrated	Shared	DirectX® 12.1

## Notes:

[1] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

## Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 64GB DDR5-5600

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

## Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP, with privacy shutter, fixed focus, temporal noise reduction
- No camera<sup>[1]</sup>

---

Notes:

[1] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 39.3Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter<sup>[2]</sup>
- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[3]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 11.5 hr with 600 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.7 hr / 24.8 hr @200nits

Local video playback: up to 20.7 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 11.2 hr with 666 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.9 hr / 24.1 hr @200nits

Local video playback: up to 20.0 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 10.5 hr with 637 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 8.9 hr / 19.8 hr @200nits

Local video playback: up to 18.1 hr @150nits

---

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] 39.3Wh battery is for special bid only.

[3] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel® Core™ Ultra 5 125U, 8GB DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA low power (non-touch), Intel® Core™ Ultra 5 125H, 8GB DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), Intel® Core™ Ultra 5 135U, 16GB DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

# ThinkPad T14 Gen 5 (Intel)

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	85.73% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	89° / 89° / 89° / 89°	Eyesafe® Certified 2.0, 85.73% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	None	IPS <sup>[4]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0, 85.73% screen to body ratio
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[5]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	ThinkPad® Privacy Guard, 85.73% screen to body ratio
14"	2.2K (2240x1400)	None	IPS <sup>[6]</sup>	300nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Hardware Solution), 85.73% screen to body ratio
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 85.73% screen to body ratio

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1] 3M™ DBEF5 (Dual Brightness Enhancement Film) improves the experience with higher brightness and lower energy.

[2], [3], [4], [5], [6] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
 Glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

315.9 x 223.7 x 17.7 mm (12.44 x 8.81 x 0.7 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with black cover and 39.3Wh battery	Starting at 1.31 kg (2.89 lbs)
Models with grey cover and 39.3Wh battery	Starting at 1.36 kg (2.99 lbs)
Models with black cover and 52.5Wh battery	Starting at 1.38 kg (3.05 lbs)
Models with grey cover and 52.5Wh battery	Starting at 1.43 kg (3.15 lbs)

### Case Color\*\*

- Black
- Grey

### Case Material\*\*

- Models with black cover: PC + 20% CF (top), PC + 20% CF (bottom)
- Models with grey cover: aluminium (top), PC + 20% CF (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

#### WLAN + Bluetooth®\*\*<sup>[1]</sup>

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

## NFC<sup>[4]</sup>

- Near Field Communication
- No support

### Notes:

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

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[4] NFC is NOT available for grey models.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

### Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14 Gen 5 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader<sup>[1]</sup>

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password



- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter (camera models)
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Ultrasonic Human Presence Detection

Notes:

[1] Fingerprint reader is standard on grey models and optional on black models.

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel® vPro® Enterprise<sup>[1]</sup>
- Intel® vPro® Essentials
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14 Gen 5 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)

- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

30% PCC recycled plastic on black top cover  
50% recycled aluminium on grey top cover  
90% recycled magnesium on keyboard frame  
45% PCC recycled plastic on bottom cover of WWAN models  
30% PCC recycled plastic on bottom cover of non-WWAN models  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery frame  
85% PCC recycled plastic for backlit keycaps  
70% PCC recycled plastic for non-backlit keycaps  
90% PCC recycled plastic used in 65W and 65W slim adapters  
Plastic free recycled standard packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

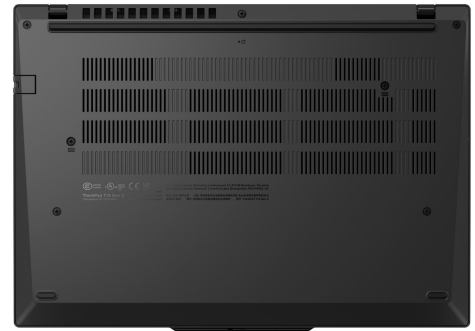
**Other Certifications**

(Optional) Eyesafe® Certified 2.0

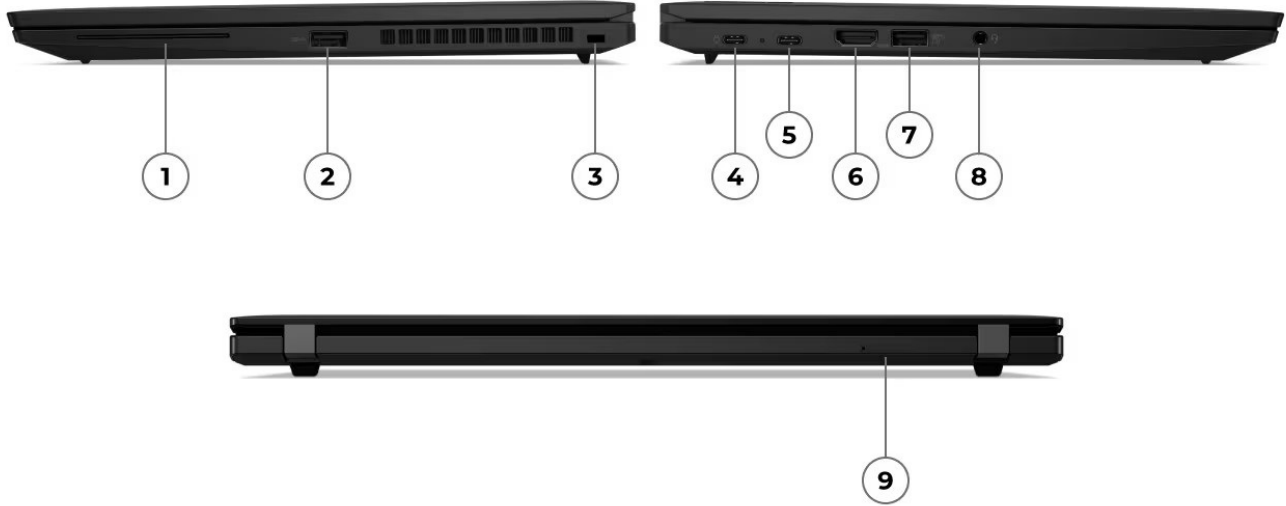
- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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**OVERVIEW**



1. Smart card reader *	6. HDMI
2. USB 3.2 Gen 1	7. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot	8. Headphone / microphone combo jack (3.5mm)
4. USB4	9. Nano-SIM card slot *
5. USB4	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 5 PRO 7540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 7 PRO 7840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### AI PC Category

AI PC<sup>[1]</sup>

#### NPU

Integrated AMD Ryzen™ AI, up to 10 TOPS<sup>[2]</sup>

Notes:

[1], [2] Only for the models with AMD Ryzen™ 7 PRO 7840U processor.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ 740M	Integrated	Shared	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB4®)

- HDMI® supports up to 4K@60Hz
- USB4® supports up to 4K@60Hz (4 displays output), 5K@60Hz (3 displays output) or 5K@120Hz (up to 2 displays output)

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

### Chipset

**Chipset**

AMD SoC (System on Chip) platform

**Memory****Max Memory**

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

**Memory Slots**

Memory soldered to systemboard, no slots, dual-channel

**Memory Type**LPDDR5x-6400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

**Storage****Storage Support<sup>[1]</sup>**

One drive, up to 2TB M.2 2280 SSD

**Storage Slot**

One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type\*\***

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

**Removable Storage****Card Reader**

No card reader

**Multi-Media****Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**

Stereo speakers, 2W x2, Dolby Audio™

**Microphone**

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

**Camera\*\***

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

**Battery****Battery<sup>[1]</sup>**

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 15.67 hr with 707 performance score @250nits  
JEITA 2.0: up to 23.1 hr @150nits  
Local video playback: up to 18.7 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 12.3 hr with 667 performance score @250nits  
JEITA 2.0: up to 18.8 hr @150nits  
Local video playback: up to 16.13 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 7.66 hr with 664 performance score @250nits  
JEITA 2.0: up to 10.96 hr @150nits  
Local video playback: up to 11.27 hr @150nits

Notes:

- [1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.
- [2] Configuration 1 (max battery life): WUXGA 300nits (non-touch), AMD Ryzen™ 7 PRO 7840U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode  
Alternate configuration 2: WUXGA 300nits (touch), AMD Ryzen™ 5 PRO 7540U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode  
Alternate configuration 3: 2.8K OLED (non-touch), AMD Ryzen™ 5 PRO 7540U, 32GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.  
The maximum capacity of the battery will decrease with time, ambient temperature and use.  
Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

- [1] AC adapter offerings depend on the country.
- [2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	600:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	600:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	800:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe®



												Certified 2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°		ThinkPad® Privacy Guard
14"	2.2K (2240x1400)	None	IPS <sup>[5]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°		TÜV Low Blue Light (Hardware Solution)
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	85° / 85° / 85° / 85°		DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

[1], [2], [3], [4], [5] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

317.5 x 226.9 x 16.9 mm (12.5 x 8.93 x 0.67 inches)

### Weight<sup>[2]</sup>

Models	Weight
Deep black models	Starting at 1.26 kg (2.77 lbs)
Storm grey models	Starting at 1.49 kg (3.28 lbs)

### Case Color\*\*

- Deep black
- Storm grey

### Case Material\*\*

- Deep black models: carbon fiber hybrid (top), aluminium (bottom)
- Storm grey models: aluminium (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

## WLAN + Bluetooth<sup>®</sup>\*\*<sup>[2]</sup>

- MediaTek Wi-Fi<sup>®</sup> 6E RZ616, 802.11ax 2x2 Wi-Fi<sup>®</sup> + Bluetooth<sup>®</sup> 5.3
- Qualcomm<sup>®</sup> Wi-Fi<sup>®</sup> 6E NFA725A, 802.11ax 2x2 Wi-Fi<sup>®</sup> + Bluetooth<sup>®</sup> 5.3

## WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[3]</sup>
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Fibocom FM350-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

## SIM Card

No physical SIM card inbox

## NFC

- Near Field Communication
- No support

---

## Notes:

[1] Ethernet support via optional Lenovo<sup>®</sup> USB-C<sup>®</sup> to Ethernet Adapter.

[2] Wi-Fi<sup>®</sup> 6E full features might be limited by country-level restrictions.

Wi-Fi<sup>®</sup> 6E is only enabled on Windows<sup>®</sup> 11 and operates as Wi-Fi<sup>®</sup> 6 with Windows<sup>®</sup> 10.

6GHz Wi-Fi<sup>®</sup> 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi<sup>®</sup> 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth<sup>®</sup> 5.3 operation requires Windows<sup>®</sup> 11. For more information please visit [General Bluetooth<sup>®</sup> Support Information on Microsoft<sup>®</sup>](#).

[3] Wireless WAN upgradable to 4G is ONLY available in EMEA.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB4<sup>®</sup> 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x HDMI<sup>®</sup> 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

## 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<sup>®</sup> 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4<sup>®</sup> 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s.

## Docking

### Docking

Various docking solutions supported via USB-C<sup>®</sup>.

For more compatible docking solutions, please visit [Docking for ThinkPad<sup>®</sup> T14s Gen 4 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

**Security Chip**

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

**Fingerprint Reader<sup>[1]</sup>**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

**Other Security**

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

Notes:

[1] Fingerprint reader is standard on storm grey models and optional on deep black models.

## MANAGEABILITY

### System Management

**System Management**

- DASH
- Non-DASH

## SERVICE

### Warranty

**Base Warranty\*\***

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*\*<sup>[1]</sup>**

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

## Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14s Gen 4 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

## Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on storm grey top cover and keyboard frame  
55% recycled aluminium on storm grey bottom cover  
22% recycled carbon fiber hybrid on deep black top cover  
90% recycled magnesium on deep black keyboard frame  
55% recycled aluminium on deep black bottom cover  
98% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the 57Wh battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
Retail or standard packaging: plastic free packaging  
Bulk packaging: 90% recycled and FSC certified content

## Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

## 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

## Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

- (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- 
- 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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AMD



AMD



AMD



AMD

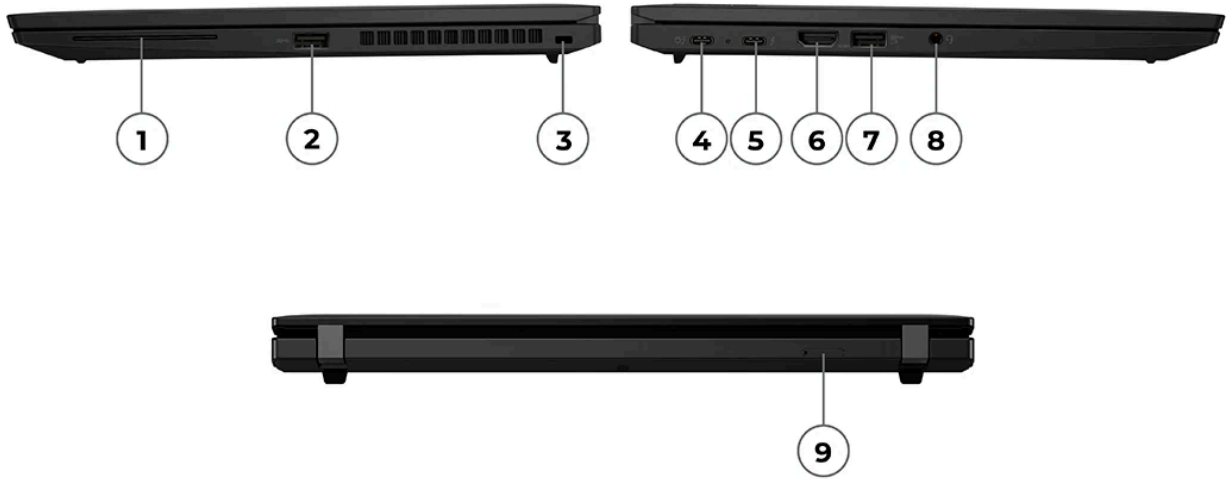


AMD



AMD

**OVERVIEW**



1. Smart card reader *	6. HDMI
2. USB 3.2 Gen 1	7. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot	8. Headphone / microphone combo jack (3.5mm)
4. Thunderbolt 4	9. Nano-SIM card slot *
5. Thunderbolt 4	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics

Notes:

[1] Intel® P series processors are for special bid only.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel® Iris® Xe Graphics	Integrated	Shared	DirectX® 12.1

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt™ supports up to 5K@60Hz
- HDMI® supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.



## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-4800<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-6400 but run as LPDDR5x-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life**<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 12.4 hr @250nits

JEITA 2.0: up to 24.5 hr @150nits

Local video playback: up to 19.6 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 12.0 hr @250nits

JEITA 2.0: up to 18.0 hr @150nits

Local video playback: up to 16.5 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 11.2 hr @250nits

JEITA 2.0: up to 24.1 hr @150nits

Local video playback: up to 18.6 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel® i5-1335U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® i5-1345U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA low power (non-touch), Intel® i5-1340P, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter**\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN****Display****Display**\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	600:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	300nits	Anti-glare	16:10	600:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	-

14"	WUXGA (1920x1200)	None	IPS <sup>[4]</sup>	400nits	Anti-glare	16:10	800:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[5]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	ThinkPad® Privacy Guard
14"	2.2K (2240x1400)	None	IPS <sup>[6]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	TÜV Low Blue Light (Hardware Solution)
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

[1] 2.2K display is NOT available in EMEA.

[2], [3], [4], [5], [6] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

LED backlight

### UltraNav™

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

317.5 x 226.9 x 16.9 mm (12.5 x 8.93 x 0.67 inches)

### Weight<sup>[2]</sup>

Models	Weight
Deep black models	Starting at 1.25 kg (2.76 lbs)
Storm grey models	Starting at 1.48 kg (3.26 lbs)

### Case Color\*\*

- Deep black
- Storm grey

### Case Material\*\*

- Deep black models: carbon fiber hybrid (top), aluminium (bottom)
- Storm grey models: aluminium (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[3]</sup>
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Fibocom FM350-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wireless WAN upgradable to 4G is ONLY available in EMEA.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14s Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

**Security Chip**

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

**Other Security**

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

**System Management**

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

**Base Warranty\*\***

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*\*<sup>[1]</sup>**

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14s Gen 4 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

22% recycled carbon fiber hybrid or 55% recycled aluminium on top cover  
55% recycled aluminum on bottom cover  
98% PCC recycled plastic used in speaker enclosure  
97% recycled plastic used in the 57Wh battery frame  
90% PCC recycled plastic used in standard 45W and 65W adapter  
Low-temperature solder  
Standard packaging: 90% plastic free packaging  
Bulk packaging: 90% recycled and FSC certified content

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

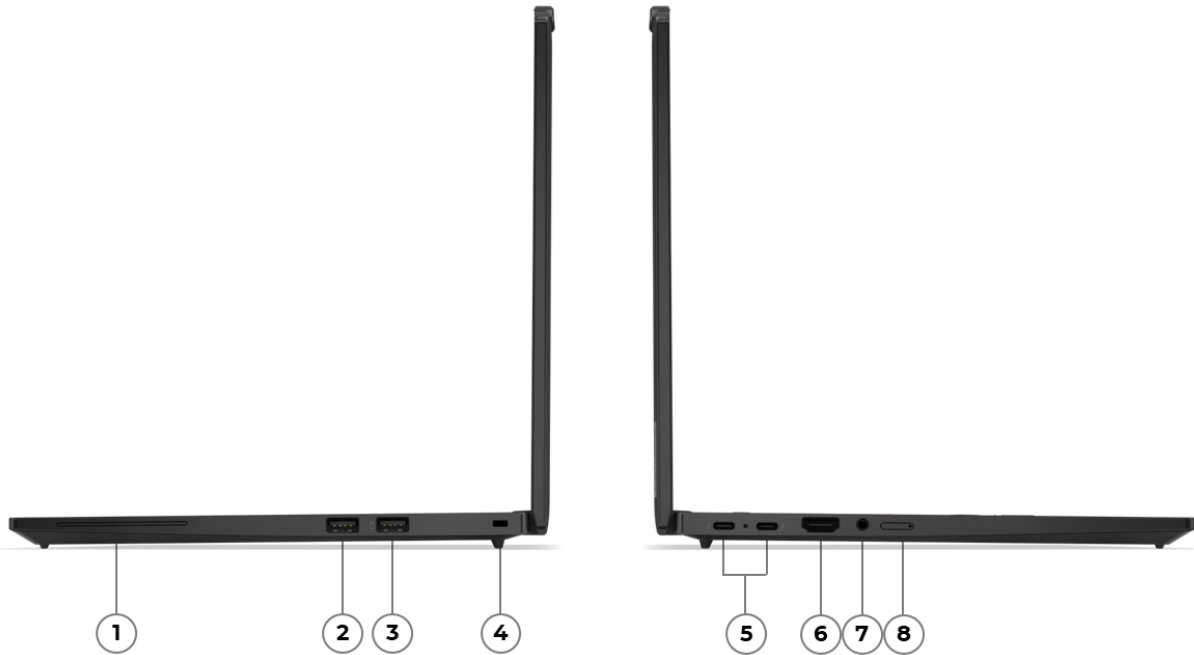
#### Other Certifications

- (Optional) Intel® Evo™ Platform
  - (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- 
- 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.
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**OVERVIEW**



1. Smart card reader *	5. 2x Thunderbolt 4
2. USB-A (USB 5Gbps)	6. HDMI
3. USB-A (USB 5Gbps), Always On	7. Headphone / microphone combo jack (3.5mm)
4. Kensington Nano Security Slot	8. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Windows® 10 IoT Enterprise LTSC 2021
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® Arc™ Graphics	Integrated	Shared	DirectX® 12.2
Intel® Graphics	Integrated	Shared	DirectX® 12.1

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-6400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

**Camera\*\***

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP, with privacy shutter, fixed focus, temporal noise reduction
- No camera<sup>[2]</sup>

## Notes:

- [1] No microphone is for special bid only.  
[2] No camera is for special bid only.

**Battery****Battery<sup>[1]</sup>**

Integrated Li-Polymer 58Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark<sup>®</sup> 25: up to 15.2 hr with 746 performance score @250nits  
JEITA-BAT 3.0 (Video/Idle): up to 14.5 hr / 33.4 hr @200nits  
Local video playback: up to 21.4 hr @150nits

Alternate configuration 2

MobileMark<sup>®</sup> 25: up to 14.5 hr with 663 performance score @250nits  
JEITA-BAT 3.0 (Video/Idle): up to 14.2 hr / 33.6 hr @200nits  
Local video playback: up to 22.2 hr @150nits

Alternate configuration 3

MobileMark<sup>®</sup> 25: up to 14.3 hr with 664 performance score @250nits  
JEITA-BAT 3.0 (Video/Idle): up to 12.0 hr / 25.2 hr @200nits  
Local video playback: up to 20.4 hr @150nits

## Notes:

- [1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.  
[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel<sup>®</sup> Core™ Ultra 7 155H, 16GB LPDDR5x, Win 11, 58Wh battery, best power efficiency power mode  
Alternate configuration 2: WUXGA low power (non-touch), Intel<sup>®</sup> Core™ Ultra 5 135U, 16GB LPDDR5x, Win 11, 58Wh battery, best power efficiency power mode  
Alternate configuration 3: WUXGA (non-touch), Intel<sup>®</sup> Core™ Ultra 5 135U, 16GB LPDDR5x, Win 11, 58Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark<sup>®</sup> 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft<sup>®</sup> link](#) for more information about the Windows<sup>®</sup> Performance power slider.

**Power Adapter****Power Adapter\*\*<sup>[1]</sup>**

- 45W USB-C<sup>®</sup> (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C<sup>®</sup> (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C<sup>®</sup> slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

## Notes:

- [1] AC adapter offerings depend on the country.  
[2] No power adapter is for special bid only.

**DESIGN**

## Display

### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	88% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0, 88% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	None	IPS <sup>[4]</sup>	400nits	Anti-glare	16:10	800:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, 88% screen to body ratio
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[5]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	ThinkPad® Privacy Guard, 88% screen to body ratio
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 88% screen to body ratio

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

[1] 3M™ DBEF5 (Dual Brightness Enhancement Film) improves the experience with higher brightness and lower energy.

[2], [3], [4], [5] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

### Keyboard Backlight

LED backlight

### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu

Glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Models with grey cover	313.6 x 219.4 x 16.6 mm (12.35 x 8.64 x 0.65 inches)
Models with black cover	313.6 x 219.4 x 16.9 mm (12.35 x 8.64 x 0.67 inches)

### Weight<sup>[2]</sup>

Models	Weight
--------	--------

Models with grey cover	Starting at 1.45 kg (3.19 lbs)
Models with black cover	Starting at 1.24 kg (2.73 lbs)

**Case Color\*\***

- Black
- Grey

**Case Material\*\***

- Grey models: aluminium (top), aluminium (bottom)
- Black models: carbon fiber hybrid (top), aluminium (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**

No onboard Ethernet<sup>[1]</sup>

**WLAN + Bluetooth®\*\*[2]**

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[4]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

## Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[4] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz

- 1x Headphone / microphone combo jack (3.5mm)

**Optional Ports\*\*\***

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

Notes:

[1] The transfer speed of the 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.

## Docking

**Docking**

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14s Gen 5](#)

## SECURITY & PRIVACY

### Security

**Security Chip**

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

**Other Security**

- Camera privacy shutter (camera models)
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)<sup>[1]</sup>
- (Optional) IR camera for Windows® Hello (facial recognition)

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Notes:

[1] Ultrasonic HPD is disabled by default.

## MANAGEABILITY

### System Management

**System Management**

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

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Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

<sup>[1]</sup> For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14s Gen 5](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

<sup>[1]</sup> When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

Carbon fiber plate (50% PIC foam core) + PC / GF (30% recycled) or 50% recycled aluminum on top cover

90% recycled magnesium on keyboard frame

55% recycled aluminum on bottom cover

85% PCC recycled plastic used in backlit keycaps

90% PCC recycled plastic used in speaker enclosure

90% recycled plastic used in the 58Wh battery frame

90% PCC recycled plastic used in standard 45W and 65W adapter

95% PCC recycled plastic used in cable holders

Plastic free packaging with FSC certified paper

Notes:

<sup>[1]</sup> PCC: Post Consumer Content, recycled materials from customers.



## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

#### 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

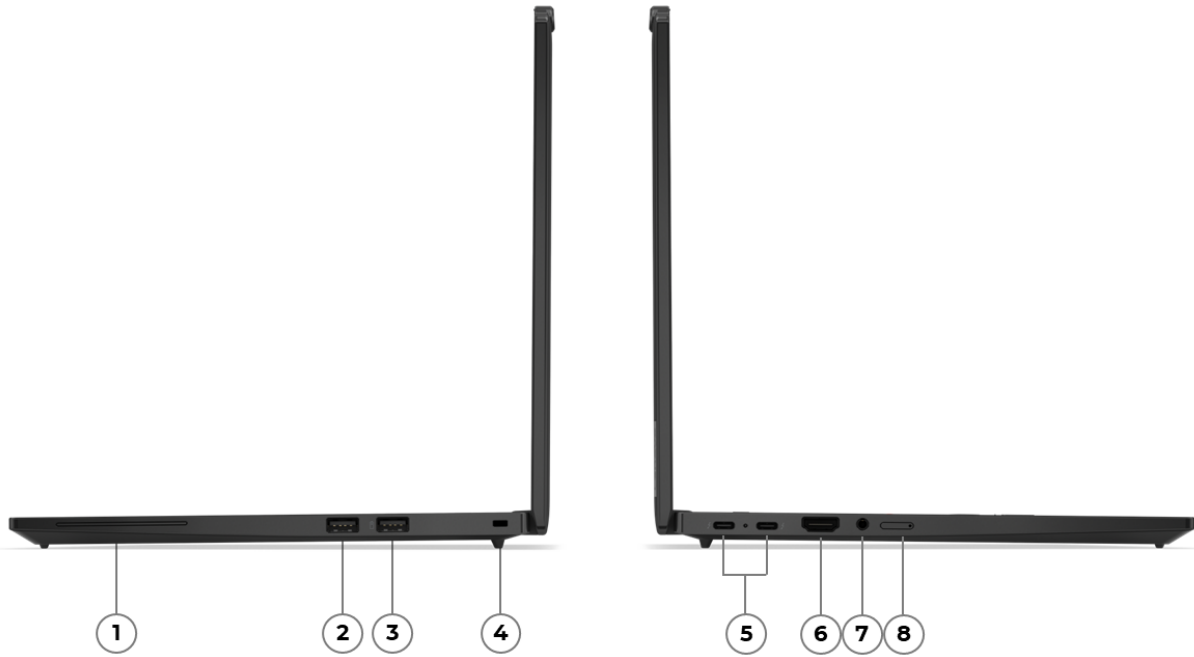
#### Other Certifications

- (Optional) Intel® Evo™ Platform
- (Optional) Eyesafe® Certified 2.0

- 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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**OVERVIEW**



1. Smart card reader *	5. 2x Thunderbolt 4
2. USB-A (USB 5Gbps)	6. HDMI
3. USB-A (USB 5Gbps), Always On	7. Headphone / microphone combo jack (3.5mm)
4. Kensington Nano Security Slot	8. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ AI 7 PRO 300 Series Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ AI 7 PRO 360	8	16	2.0GHz	5.0GHz	8MB L2 / 16MB L3	AMD Radeon™ 880M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC

#### AI Performance

Up to 72 overall TOPS

#### NPU

Integrated AMD Ryzen™ AI, up to 50 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1], [2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
AMD Radeon™ 880M	Integrated	Shared	Share CPU TDP	DirectX® 12

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will "-1" when 8K resolution displayed.

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

- 32GB soldered memory, not upgradable

- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-7500

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, 360° far-field, Dolby Voice®

### Camera

5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 58Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 17.1 hr with 662 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 15.48 hr / 29.8 hr @200nits

Local video playback: up to 23.87 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 15.01 hr with 629 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 13.56 hr / 22.4 hr @200nits

Local video playback: up to 22.3 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ AI 7 PRO 360, 32GB LPDDR5x-7500, Win 11, 58Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ AI 7 PRO 360, 32GB LPDDR5x-7500, Win 11, 58Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 2018](#), [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[1]</sup>	400nits	Anti-glare	16:10	600:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0, 88% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	None	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	800:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, 88% screen to body ratio

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

#### Keyboard Backlight

LED backlight

#### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu

Glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

### Mechanical

**Dimensions (WxDxH)<sup>[1]</sup>**

313.6 x 219.4 x 16.9 mm (12.35 x 8.64 x 0.67 inches)

**Weight<sup>[2]</sup>**

Models	Weight
WUXGA Non-touch models	Starting at 1.30 kg (2.86 lbs)
WUXGA multi-touch models	Starting at 1.37 kg (3.02 lbs)

**Case Color**

Black

**Case Material**

Carbon fiber hybrid (top), aluminium (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**No onboard Ethernet<sup>[1]</sup>**WLAN + Bluetooth<sup>®</sup><sup>[2]</sup>**Qualcomm® Wi-Fi® 7 NCM825, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>**WWAN\*\***

- Wireless WAN upgradable to 5G (with antenna ready)<sup>[4]</sup>
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

**Notes:**

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[4] Wireless WAN upgradable to 5G is ONLY available in EMEA.

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

**Optional Ports\*\*\***

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

**Notes:**

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14s Gen 6 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter
- IR camera for Windows® Hello (facial recognition)
- Ultrasonic Human Presence Detection

## MANAGEABILITY

### System Management

#### System Management

Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES



## Bundled Accessories

### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14s Gen 6 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% recycled Carbon fiber on top cover  
90% recycled magnesium on keyboard frame  
55% recycled aluminum on bottom cover  
85% PCC recycled plastic used in backlit keycaps  
90% PCC recycled plastic used in speaker enclosure  
90% recycled plastic used in the 58Wh battery frame  
90% PCC recycled plastic used in standard 65W adapter  
95% PCC recycled plastic used in cable / antenna holders  
Plastic free packaging with FSC certified paper

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

(Optional) Eyesafe® Certified 2.0

- 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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Copilot+PC



AMD

Copilot+PC



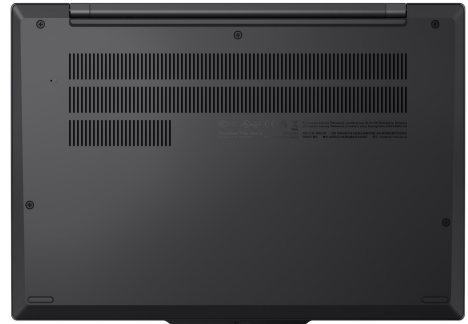
AMD

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Copilot+PC



AMD

## OVERVIEW



1. Nano-SIM card slot *	5. 2x USB-C (USB4 40Gbps), USB PD 3.0 & DP1.4a
2. USB-A (USB 5Gbps)	6. HDMI
3. USB-A (USB 5Gbps), Always On	7. Headphone / microphone combo jack (3.5mm)
4. Kensington Nano Security Slot	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Snapdragon® X Elite or Snapdragon® X Plus

#### Processor\*\*

Processor Name	Cores	Max Frequency	Cache	Processor Graphics	NPU
Snapdragon® X Elite X1E-78-100	12	3.4GHz (12-core)	42MB Total	Qualcomm® Adreno™ GPU	Qualcomm® Hexagon™ NPU
Snapdragon® X Plus X1P-42-100	8	3.4GHz (single-core) / 3.2GHz (8-core)	30MB Total	Qualcomm® Adreno™ GPU	Qualcomm® Hexagon™ NPU

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC

#### NPU

Integrated Qualcomm® Hexagon™ NPU, up to 45 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro (on ARM)
- Windows® 11 Home (on ARM)

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Qualcomm® Adreno™ GPU	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 5K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

### Chipset

#### Chipset

Qualcomm® SoC (System on Chip) platform

### Memory

#### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5x-8448<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-8533 but run as LPDDR5x-8448 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Qualcomm® WCD9385 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

Dual-microphone array, 360° far-field

### Camera

FHD 1080p + IR discrete, with privacy shutter, MIPI, fixed focus, Always On Computer Vision, temporal noise reduction

## Battery

### Battery

Integrated Li-Polymer 58Wh battery, supports Rapid Charge (charge up to 80% in 1hr)<sup>[1]</sup>

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

JEITA-BAT 3.0 (Video/Idle): up to 19.32 hr / 37.37 hr @200nits

Local video playback: up to 34.9 hr @150nits

Alternate configuration 2

JEITA-BAT 3.0 (Video/Idle): up to 16.98 hr / 26.56 hr @200nits

Local video playback: up to 30.4 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the charge time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Snapdragon® X1E-78-100, 32GB LPDDR5x, Win 11, 58Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Snapdragon® X1E-78-100, 32GB LPDDR5x, Win 11, 58Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using JEITA 3.0 and continuous 1080p local video playback (using default Media Player in Fullscreen mode with 150nits brightness and default volume level) battery-life benchmark tests.

Actual battery life will vary depending on many factors such as product configuration, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

# ThinkPad T14s Gen 6 (Snapdragon)

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	85° / 85° / 85° / 85°	Eyesafe® Certified 2.0, 87.5% screen to body ratio, 3M™ DBEF5
14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0, 87.5% screen to body ratio
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 87.5% screen to body ratio

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1] 3M™ DBEF5 (Dual Brightness Enhancement Film) improves the experience with higher brightness and lower energy.

[2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

#### Keyboard Backlight

LED backlight

#### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu

Glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

### Mechanical

## Dimensions (WxDxH)<sup>[1]</sup>

313.6 x 219.4 x 16.9 mm (12.35 x 8.64 x 0.67 inches)

## Weight<sup>[2]</sup>

Starting at 1.24 kg (2.72 lbs)

## Case Color

Black

## Case Material

CFRP (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

### WLAN + Bluetooth<sup>[2]</sup>

Qualcomm® Wi-Fi® 7 NCM825A, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

### WWAN

- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] 6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 1.4a
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

1x Nano-SIM card slot (WWAN support models)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T14s Gen 6 \(Snapdragon®\)](#)



## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Computer Vision-based User Presence Sensing including lock on leave
- Camera privacy shutter
- IR camera for Windows® Hello (facial recognition)

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T14s Gen 6 \(Snapdragon®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

#### Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled CFRP and 30% recycled resin on top cover  
90% recycled magnesium on keyboard frame  
55% recycled aluminum on bottom cover  
85% PCC recycled plastic used in keycaps  
90% PCC recycled plastic used in speaker enclosure  
90% recycled plastic used in the 58Wh battery frame  
90% PCC recycled plastic used in standard 65W adapter  
95% PCC recycled plastic used in cable holders  
FSC certified Plastic free packaging

#### Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

#### 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

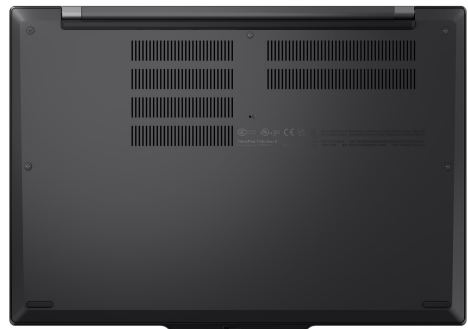
#### Other Certifications

Eyesafe® Certified 2.0

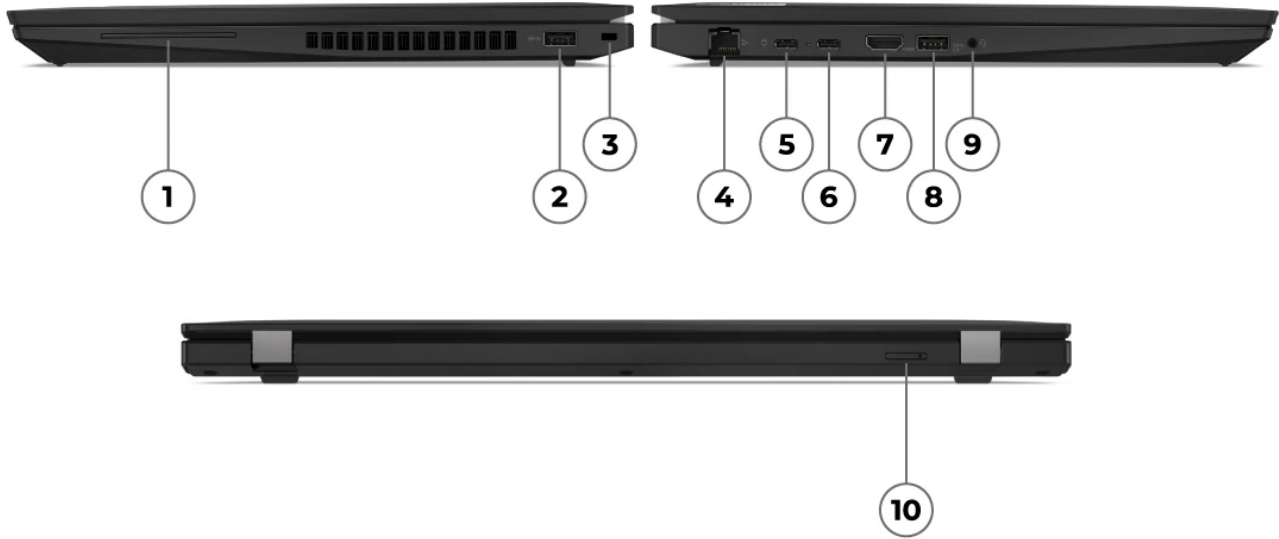
- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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## OVERVIEW



1. Smart card reader *	6. USB-C 3.2 Gen 2
2. USB 3.2 Gen 1	7. HDMI
3. Kensington Nano Security Slot	8. USB 3.2 Gen 1 (Always On)
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. USB4 40Gbps	10. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 5 PRO 7540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 5 PRO 7545U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 7 PRO 7840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### AI PC Category

AI PC<sup>[1]</sup>

#### NPU

Integrated AMD Ryzen™ AI, up to 10 TOPS<sup>[2]</sup>

Notes:

[1], [2] Only for the models with AMD Ryzen™ 7 PRO 7840U processor.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ 740M	Integrated	Shared	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and USB4®)

- HDMI® supports up to 4K@60Hz
- USB-C® supports up to 4K@60Hz (4 displays output), 5K@60Hz (3 displays output) or 5K@120Hz (up to 2 displays output)
- USB4® supports up to 4K@60Hz (4 displays output), 5K@60Hz (3 displays output) or 5K@120Hz (up to 2 displays output)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

## Memory

### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type\*\*

- LPDDR5-6400 (8GB)
- LPDDR5x-6400 (16GB, 32GB or 64GB)<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

## Battery

### Battery\*\*

- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)<sup>[1]</sup>
- Integrated Li-Polymer 86Wh battery

**Battery Life**<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 21.6 hr with 701 performance score @250nits

JEITA 2.0: up to 30.8 hr @150nits

Local video playback: up to 26.1 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 15.3 hr with 654 performance score @250nits

JEITA 2.0: up to 23.0 hr @150nits

Local video playback: up to 21.2 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 5.7 hr with 640 performance score @250nits

JEITA 2.0: up to 9.2 hr @150nits

Local video playback: up to 8.6 hr @150nits

**Notes:**

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA Low Power (non-touch), AMD Ryzen™ 7 PRO 7840U, 16GB LPDDR5x, Win 11, 86Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 PRO 7540U, 16GB LPDDR5x, Win 11, 86Wh battery, best power efficiency power mode

Alternate configuration 3: WQUXGA OLED (non-touch), AMD Ryzen™ 5 PRO 7540U, 32GB LPDDR5x, Win 11, 52.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter**<sup>\*\*[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

**Notes:**

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN****Display****Display**<sup>\*\*</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	-
16"	WUXGA	Multi-	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45%	85° / 85° / - / -	-



	(1920x1200)	touch						NTSC	85° / 85°	
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard
16"	WQUXGA (3840x2400)	None	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	87.5° / 87.5° / 87.5° / 87.5°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 67.7 x 115 mm (2.67 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

361.9 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with thunder black cover and 52.5Wh battery	Starting at 1.71 kg (3.76 lbs)
Models with storm grey cover and 52.5Wh battery	Starting at 1.75 kg (3.84 lbs)
Models with thunder black cover and 86Wh battery	Starting at 1.83 kg (4.02 lbs)
Models with storm grey cover and 86Wh battery	Starting at 1.85 kg (4.08 lbs)

### Case Color\*\*

- Storm grey
- Thunder black

### Case Material\*\*

- Storm grey models: aluminium (top), aluminium (bottom)
- Thunder black models: carbon fiber hybrid (top), PPS (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, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN

## WLAN + Bluetooth®\*\*<sup>[1]</sup>

- MediaTek Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3
- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

## WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

## SIM Card

No physical SIM card inbox

## NFC

- Near Field Communication
- No support

---

## Notes:

<sup>[1]</sup> Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

## Notes:

<sup>[1]</sup> 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T16 Gen 2 \(AMD\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

## Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

## Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

## Fingerprint Reader<sup>[1]</sup>

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

## BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

## Other Security

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

Notes:

[1] Fingerprint reader is standard on storm grey models and optional on thunder black models.

# MANAGEABILITY

## System Management

### System Management

DASH

# SERVICE

## Warranty

### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty<sup>[1]</sup>

Notes:

[1] No base warranty is for special bid only.

# ACCESSORIES

## Bundled Accessories

### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

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**Notes:**

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T16 Gen 2 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

**Temperature<sup>[1]</sup>**

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

---

**Notes:**

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

50% recycled aluminium on storm grey top cover  
55% recycled aluminium on storm grey bottom cover  
90% recycled magnesium on keyboard frame  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 52.5Wh and 86Wh battery frame  
90% PCC recycled plastic used in standard 65W and 100W adapters  
Low-temperature solder  
Standard packaging: 90% plastic free packaging  
Bulk packaging: 90% recycled and FSC certified content

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**Notes:**

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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**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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

## Other Certifications

(Optional) Eyesafe® Certified 2.0

- 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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AMD



AMD



AMD



AMD

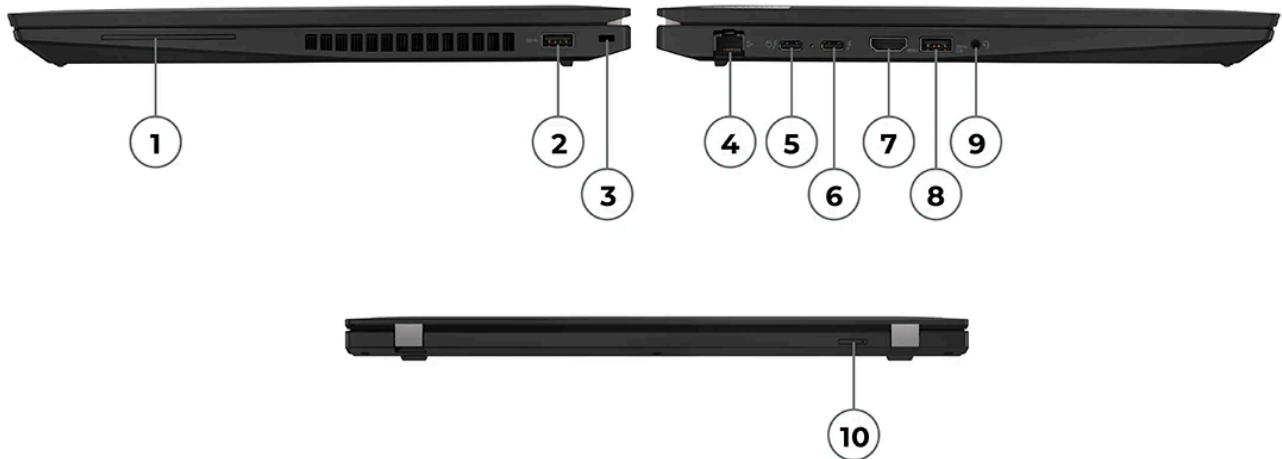


AMD



AMD

## OVERVIEW



1. Smart card reader *	6. Thunderbolt 4
2. USB 3.2 Gen 1	7. HDMI
3. Kensington Nano Security Slot	8. USB 3.2 Gen 1 (Always On)
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Thunderbolt 4	10. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	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.  
Intel® P series processors are for special bid only.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® Iris® Xe Graphics <sup>[1]</sup>	Integrated	Shared	DirectX® 12.1
NVIDIA® GeForce MX550 <sup>[2]</sup>	Discrete	4GB GDDR6	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.

[2] Discrete graphics is available only with Intel® P series processors.

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt™ supports up to 5K@60Hz
- HDMI® supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

- Models with DDR4 memory: up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200
- Models with DDR5 memory: up to 32GB (16GB soldered + 16GB SO-DIMM) DDR5-5200
- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable

### Memory Slots\*\*

- Models with DDR4 memory: one memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable
- Models with DDR5 memory: one memory soldered to systemboard, one DDR5 SO-DIMM slot, dual-channel capable
- Models with LPDDR5x memory: memory soldered to systemboard, no slots, dual-channel

### Memory Type\*\*

- DDR4-3200 (models with integrated graphics)
- DDR5-5200 (models with integrated graphics)<sup>[2]</sup>
- LPDDR5x-4800 (models with discrete graphics)<sup>[3]</sup>

Notes:

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

[2] Installed memory is actually DDR5-5600 but run as DDR5-5200 due to platform limitation.

[3] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 135W AC adapter
- Integrated Li-Polymer 86Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 10.0 hr @250nits

JEITA 2.0: up to 18.5 hr @150nits

Local video playback: up to 16.9 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.2 hr @250nits

JEITA 2.0: up to 19.5 hr @150nits

Local video playback: up to 17.1 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 7.0 hr @250nits

JEITA 2.0: up to 13.0 hr @150nits

Local video playback: up to 12.3 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® i5-1340P, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA low power (non-touch), Intel® i5-1335U, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® i5-1350P, 16GB soldered DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 135W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	-
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	85° / 85° / 85° / 85°	-
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard
16"	WQUXGA (3840x2400)	None	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	87.5° / 87.5° / 87.5° / 87.5°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 67.7 x 115 mm (2.67 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Integrated graphics models	361.9 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)
Discrete graphics models	361.9 x 255.5 x 21.1 mm (14.25 x 10.06 x 0.83 inches)

#### Weight<sup>[2]</sup>

Models	Weight
Models with thunder black cover and integrated graphics	Starting at 1.68 kg (3.70 lbs)
Models with storm grey cover and integrated graphics	Starting at 1.71 kg (3.75 lbs)
Models with discrete graphics	Starting at 1.74 kg (3.84 lbs)

**Case Color\*\***

- Storm grey
- Thunder black

**Case Material\*\***

- Storm grey models: aluminium (top), aluminium (bottom)
- Thunder black models: carbon fiber hybrid (top), PPS (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*[1]**

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

## Notes:

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

**Optional Ports\*\*\***

- 1x Smart card reader

- 1x Nano-SIM card slot (WWAN support models)

#### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T16 Gen 2 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel® vPro® Enterprise<sup>[1]</sup>
- Intel® vPro® Essentials<sup>[2]</sup>
- Non-vPro®

#### Notes:

[1], [2] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

<sup>[1]</sup> For more compatible accessory solutions, please visit [Accessories for ThinkPad® T16 Gen 2 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

<sup>[1]</sup> When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on storm grey top cover  
55% recycled aluminium on storm grey bottom cover  
90% recycled magnesium on keyboard frame  
95% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the 52.5Wh and 86Wh battery frame  
90% PCC recycled plastic used in standard 45W, 65W and 135W adapters  
Low-temperature solder  
Standard packaging: 90% plastic free packaging  
Bulk packaging: 90% recycled and FSC certified content

Notes:

<sup>[1]</sup> PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

#### 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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

(Optional) Eyesafe® Certified 2.0

- 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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## OVERVIEW



1. Smart card reader *	6. 2x Thunderbolt 4
2. Nano-SIM card slot *	7. HDMI
3. USB-A (USB 5Gbps)	8. USB-A (USB 5Gbps), Always On
4. Ethernet (RJ-45)	9. Headphone / microphone combo jack (3.5mm)
5. Kensington Nano Security Slot	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[1]</sup>	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.6GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics <sup>[2]</sup>	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[3]</sup>	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics <sup>[4]</sup>	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

Notes:

[1], [2], [3], [4] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024
- Windows® 11 DG Windows® 10 Pro 64<sup>[1]</sup>
- Windows® 10 IoT Enterprise LTSC 2021
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

## Graphics

### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® Arc™ Graphics <sup>[1]</sup>	Integrated	Shared	DirectX® 12.2
Intel® Graphics	Integrated	Shared	DirectX® 12.1

Notes:

[1] Intel® Arc™ Graphics only available on select H-series Intel® Core™ Ultra processor powered systems with at least 16GB of system memory in a dual-channel configurations, otherwise it will function as Intel® Graphics.

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

Up to 64GB DDR5-5600

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Memory Type

DDR5-5600

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP, with privacy shutter, fixed focus, temporal noise reduction
- No camera<sup>[1]</sup>

Notes:

[1] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 86Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 11.3 hr with 610 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.6 hr / 23.2 hr @200nits

Local video playback: up to 22.6 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 10.8 hr with 651 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.2 hr / 22.1 hr @200nits

Local video playback: up to 18.6 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.2 hr with 633 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 8.8 hr / 16.2 hr @200nits

Local video playback: up to 15.9 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel® Core™ Ultra 5 125U, 8GB DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA low power (non-touch), Intel® Core™ Ultra 5 125H, 8GB DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), Intel® Core™ Ultra 5 135U, 16GB DDR5, Win 11, 52.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	800:1	45% NTSC	60Hz	80° / 80° / 80° / 80°	87.22% screen to body ratio
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	1000:1	45% NTSC	60Hz	80° / 80° / 80° / 80°	Eyesafe® Certified 2.0, 87.22% screen to body ratio
16"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	80° / 80° / 80° / 80°	Low power, Eyesafe® Certified 2.0, 87.22% screen to body ratio
16"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[4]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard, 87.22% screen to body ratio
16"	WQUXGA (3840x2400)	None	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	87.5° / 87.5° / 87.5° / 87.5°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 87.22% screen to body ratio

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad, Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass-like Mylar® surface multi-touch touchpad, 67.7 x 115 mm (2.67 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

359.7 x 250.8 x 19.64 mm (14.16 x 9.87 x 0.77 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with 52.5Wh battery	Starting at 1.66 kg (3.65 lbs)
Models with 86Wh battery	Starting at 1.83 kg (4.03 lbs)

**Case Color**

Black

**Case Material**

PC + 20% CF (top), PC + 20% CF (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, Intel® Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel® Ethernet Connection I219-V (non-vPro® models), 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)
- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

- Near Field Communication
- No support

Notes:

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

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information](#)

[on Microsoft®.](#)

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® T16 Gen 3](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter (camera models)
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T16 Gen 3](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic on top cover  
90% recycled magnesium on keyboard frame  
30% PCC recycled plastic on bottom cover  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery frame



85% PCC recycled plastic for backlit keycaps  
70% PCC recycled plastic for non-backlit keycaps  
90% PCC recycled plastic used in 65W and 65W slim adapters  
Plastic free packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

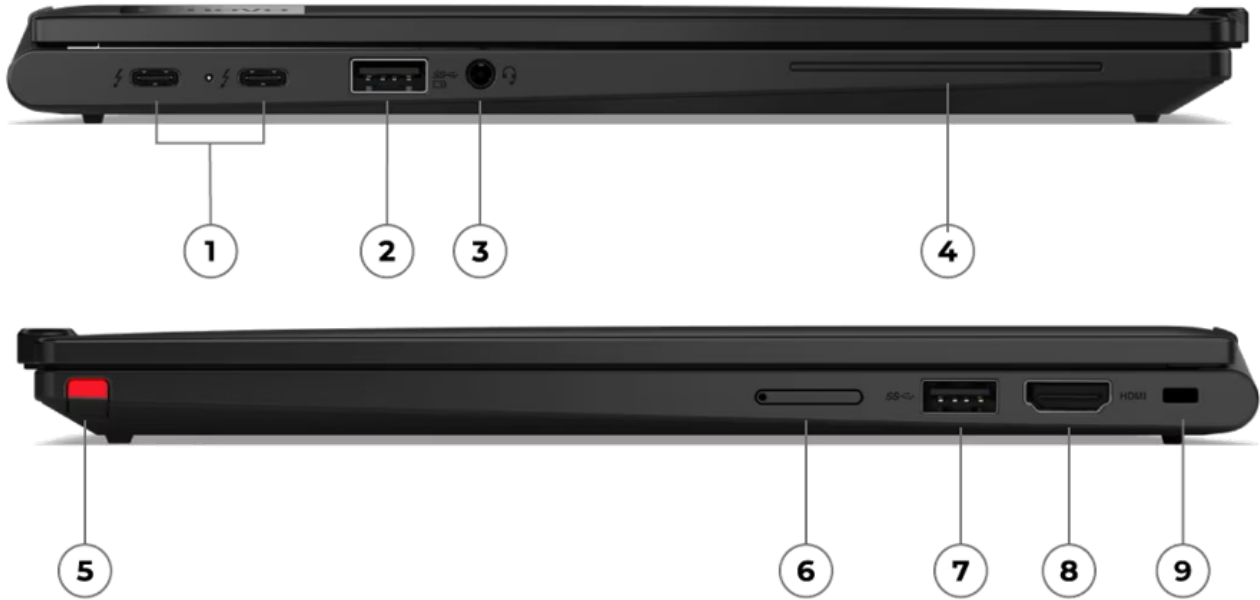
#### Other Certifications

(Optional) Eyesafe® Certified 2.0

- 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.
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- The specifications on this page may not be available in all regions, and may be changed or updated without notice.



## OVERVIEW



1. 2x Thunderbolt 4	6. Nano-SIM card slot *
2. USB-A (USB 5Gbps), Always On	7. USB-A (USB 5Gbps)
3. Headphone / microphone combo jack (3.5mm)	8. HDMI
4. Smart card reader *	9. Kensington Nano Security Slot
5. Pen slot *	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel® Graphics	Integrated	Shared	DirectX® 12.1

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution

displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-6400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP, with privacy shutter, fixed focus, temporal noise reduction
- No camera

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 41Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 54.7Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 14.0 hr with 657 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.0 hr / 29.9 hr @200nits

Local video playback: up to 21.1 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 12.7 hr with 672 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.1 hr / 23.3 hr @200nits

Local video playback: up to 17.1 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (touch), Intel® Core™ Ultra 5 125U, 16GB LPDDR5x, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® Core™ Ultra 5 135U, 16GB LPDDR5x, Win 11, 54.7Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter**

**Power Adapter\*\*<sup>[1]</sup>**

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

**DESIGN**

**Display**

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0

**Touchscreen**

OGS (One Glass Solution) multi-touch, supports 10-point touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Multi-mode

### Multi-mode

Laptop, tent, stand, and tablet modes supported by 360° hinge

## Input Device

### Pen

- Lenovo® Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen (purchase separately)

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

LED backlight

### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass-like Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

301.7 x 214.6 x 16.4 mm (11.88 x 8.45 x 0.65 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with 41Wh battery and grey top cover	Starting at 1.22 kg (2.69 lbs)
Models with 41Wh battery and black top cover	Starting at 1.20 kg (2.65 lbs)
Models with 54.7Wh battery and black top cover	Starting at 1.25 kg (2.76 lbs)
Models with 54.7Wh battery and grey top cover	Starting at 1.26 kg (2.78 lbs)

### Case Color\*\*

- Black
- Grey

### Case Material

Magnesium (top), magnesium (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

No onboard Ethernet<sup>[1]</sup>

### WLAN + Bluetooth®\*\*<sup>[2]</sup>

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[4]</sup>

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[5]</sup>

- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

---

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[4] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[5] Wireless WAN upgradable to 4G is only available in EMEA.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X13 2-in-1 Gen 5](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader



- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe<sup>®</sup> password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Camera privacy shutter (camera models)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows<sup>®</sup> Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel<sup>®</sup> vPro<sup>®</sup> Enterprise<sup>[1]</sup>
- Non-vPro<sup>®</sup>

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*[1]

- Lenovo<sup>®</sup> HDMI<sup>®</sup> to VGA Monitor Adapter
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to DisplayPort™ Adapter
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to Ethernet Adapter (1Gbps)
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad<sup>®</sup> X13 2-in-1 Gen 5](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)

- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

90% recycled magnesium on top cover  
90% recycled magnesium on keyboard frame  
55% recycled magnesium on bottom cover  
85% PCC recycled plastic used in keycaps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Plastic free packaging with FSC certified

Notes:

- [1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

- [3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Intel® Evo™ Platform
  - (Optional) Eyesafe® Certified 2.0
- 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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## OVERVIEW



1. USB4	6. Nano-SIM card slot *
2. USB4	7. USB 3.2 Gen 1
3. USB 3.2 Gen 1 (Always On)	8. HDMI
4. Headphone / microphone combo jack (3.5mm)	9. Kensington Nano Security Slot
5. Smart card reader *	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 5 PRO 7540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 5 PRO 7545U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 7 PRO 7840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### AI PC Category

AI PC<sup>[1]</sup>

#### NPU

Integrated AMD Ryzen™ AI, up to 10 TOPS<sup>[2]</sup>

Notes:

[1], [2] Only for the models with AMD Ryzen™ 7 PRO 7840U processor.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ 740M	Integrated	Shared	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB4®)

- HDMI® supports up to 4K@60Hz
- USB4® supports up to 4K@60Hz (4 displays output), 5K@60Hz (3 displays output) or 5K@120Hz (up to 2 displays output)

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

### Chipset

AMD SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-6400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone<sup>[1]</sup>

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 41Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 54.7Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life**<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 15.3 hr with 692 performance score @250nits

JEITA 2.0: up to 22.29 hr @150nits

Local video playback: up to 18.9 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 12.31 hr with 682 performance score @250nits

JEITA 2.0: up to 21.66 hr @150nits

Local video playback: up to 16.26 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 11.46 hr with 699 performance score @250nits

JEITA 2.0: up to 16.7 hr @150nits

Local video playback: up to 14.16 hr @150nits

## Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), AMD Ryzen™ 7 PRO 7840U, 16GB LPDDR5x, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 PRO 7540U, 16GB LPDDR5x, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA low power (non-touch), AMD Ryzen™ 7 PRO 7840U, 16GB LPDDR5x, Win 11, 41Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter**\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

## Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN****Display****Display**\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-



13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe <sup>®</sup> Certified 2.0

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

- LED backlight
- Non-backlight<sup>[1]</sup>

**UltraNav™**

TrackPoint<sup>®</sup> pointing device and glass-like Mylar<sup>®</sup> surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

## Notes:

[1] Non-backlit keyboard is only available for the models with deep black cover.

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

301.7 x 214.8 x 15.95 mm (11.88 x 8.46 x 0.63 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with deep black CFRP top cover	Starting at 1.14 kg (2.51 lbs)
Models with carbon fiber hybrid top cover	Starting at 1.19 kg (2.63 lbs)
Models with aluminium top cover	Starting at 1.30 kg (2.87 lbs)

**Case Color\*\***

- Deep black
- Storm grey

**Case Material\*\***

- Deep black models: carbon fiber hybrid or CFRP (top), aluminium (bottom)
- Storm grey models: aluminium (top), aluminium (bottom)

## Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo<sup>®</sup> 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**

No onboard Ethernet<sup>[1]</sup>

**WLAN + Bluetooth<sup>®</sup>**

\*\*[2]

- MediaTek Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3
- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[3]</sup>
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC<sup>[4]</sup>**

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wireless WAN upgradable to 4G is ONLY available in EMEA.

[4] NFC is mutually exclusive with smart card reader.

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

**Optional Ports\*\*\***

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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.

**Docking****Docking**

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X13 Gen 4 \(AMD\)](#)

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

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

**Physical Locks**

Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader<sup>[1]</sup>**

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

**Other Security**

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

Notes:

[1] Smart card reader is mutually exclusive with NFC.

## MANAGEABILITY

### System Management

**System Management**

- DASH
- Non-DASH

## SERVICE

### Warranty

**Base Warranty\*\***

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*\*<sup>[1]</sup>**

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X13 Gen 4 \(AMD\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on storm grey top cover  
50% recycled aluminium or 90% recycled magnesium on keyboard frame  
55% recycled aluminium on bottom cover  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
Retail packaging: plastic free packaging with 100% bamboo sugarcane fiber  
Standard or bulk packaging: 90% recycled and FSC certified content

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

(Optional) Eyesafe® Certified 2.0

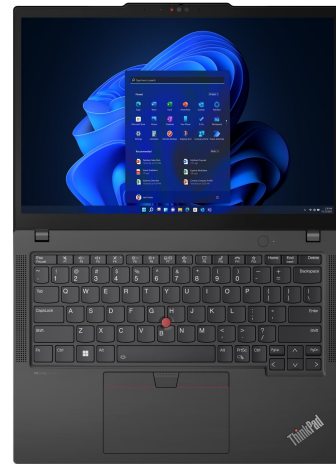
- Feature with \*\* means that only one option listed under the feature can be configured on selected models.

Please refer to the model configuration for specific information.

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AMD



AMD



AMD



AMD

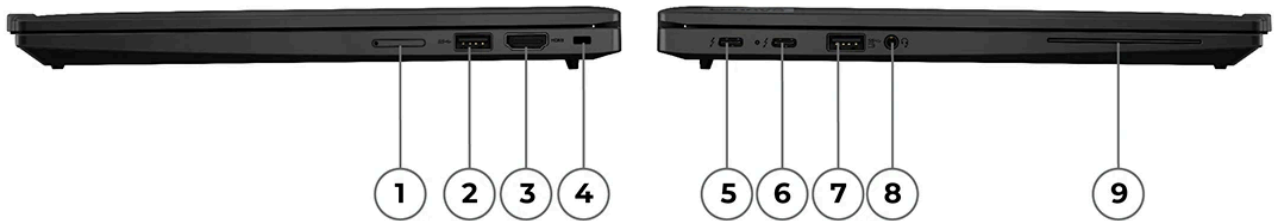


AMD



AMD

## OVERVIEW



1. Nano-SIM card slot *	6. Thunderbolt 4
2. USB 3.2 Gen 1	7. USB 3.2 Gen 1 (Always On)
3. HDMI	8. Headphone / microphone combo jack (3.5mm)
4. Kensington Nano Security Slot	9. Smart card reader *
5. Thunderbolt 4	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core i3 / i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i3-1315U	6 (2 P-core + 4 E-core)	8	P-core 1.2GHz / E-core 0.9GHz	P-core 4.5GHz / E-core 3.3GHz	10MB	Intel® UHD Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1350P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics

Notes:

[1] Intel® P series processors are for special bid only.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® UHD Graphics	Integrated	Shared	DirectX® 12.1
Intel® Iris® Xe Graphics	Integrated	Shared	DirectX® 12.1

### Monitor Support

#### Monitor Support<sup>[1]</sup>



Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt™ supports up to 5K@60Hz
- HDMI® supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5-4800<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5-6400 but run as LPDDR5-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera<sup>[1]</sup>

## Notes:

[1] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 41Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 54.7Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 12.2 hr with 822 performance score @250nits

JEITA 2.0: up to 22.9 hr @150nits

Local video playback: up to 19.0 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 11.2 hr with 638 performance score @250nits

JEITA 2.0: up to 21.6 hr @150nits

Local video playback: up to 17.5 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 10.6 hr with 639 performance score @250nits

JEITA 2.0: up to 18.5 hr @150nits

Local video playback: up to 15.6 hr @150nits

## Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel® i3-1315U, 8GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA low power (non-touch), Intel® i5-1340P, 16GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® i5-1350P, 16GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

## Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1200:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
13.3"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

- LED backlight
- Non-backlight<sup>[1]</sup>

### UltraNav™

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

### Notes:

[1] Non-backlit keyboard is only available for the models with deep black cover.

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

301.7 x 214.8 x 15.95 mm (11.88 x 8.46 x 0.63 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with deep black carbon fiber hybrid top cover	Starting at 1.09 kg (2.41 lbs)
Models with deep black CFRP top cover	Starting at 1.12 kg (2.47 lbs)
Models with storm grey top cover	Starting at 1.25 kg (2.76 lbs)

### Case Color\*\*

- Deep black
- Storm grey

### Case Material\*\*

- Deep black models: carbon fiber hybrid or CFRP (top), aluminium (bottom)
- Storm grey models: aluminium (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[3]</sup>
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Fibocom FM350-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC<sup>[4]</sup>

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wireless WAN upgradable to 4G is ONLY available in EMEA.

[4] NFC is mutually exclusive with smart card reader.

### Ports<sup>[1]</sup>

#### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

#### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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.

### Docking

#### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X13 Gen 4 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader<sup>[1]</sup>

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

Notes:

[1] Smart card reader is mutually exclusive with NFC.

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel® vPro® Enterprise<sup>[1]</sup>
- Intel® vPro® Essentials<sup>[2]</sup>
- Non-vPro®

Notes:

[1], [2] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

## Bundled Accessories

### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X13 Gen 4 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on storm grey top cover  
50% recycled aluminium or 90% recycled magnesium on keyboard frame  
55% recycled aluminium on bottom cover  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
Retail packaging: plastic free packaging with 100% bamboo sugarcane fiber  
Standard or bulk packaging: 90% recycled and FSC certified content

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

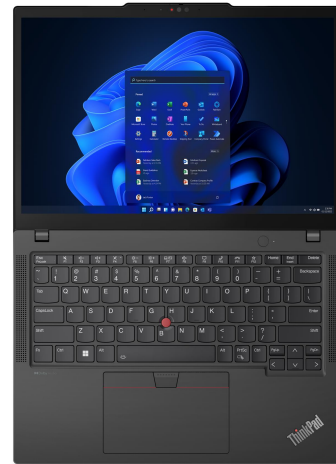
## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

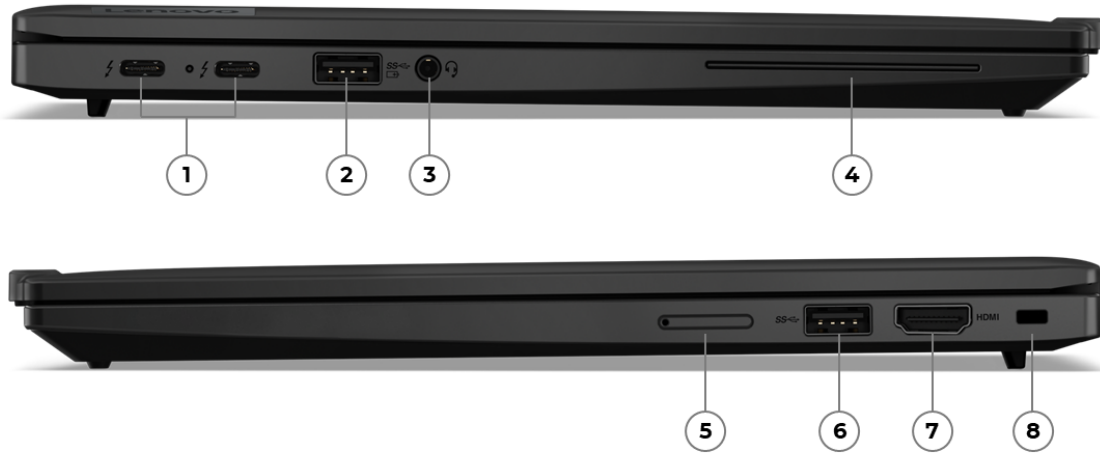
### Other Certifications

- (Optional) Intel® Evo™ Platform
  - (Optional) Eyesafe® Certified 2.0
- 
- 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.
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## OVERVIEW



1. 2x Thunderbolt 4	5. Nano-SIM card slot *
2. USB-A (USB 5Gbps), Always On	6. USB-A (USB 5Gbps)
3. Headphone / microphone combo jack (3.5mm)	7. HDMI
4. Smart card reader *	8. Kensington Nano Security Slot

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® Arc™ Graphics	Integrated	Shared	DirectX® 12.2
Intel® Graphics	Integrated	Shared	DirectX® 12.1

## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-6400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone

**Camera\*\***

- 5.0MP + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- 5.0MP, with privacy shutter, fixed focus, temporal noise reduction
- No camera

**Battery****Battery\*\*<sup>[1]</sup>**

- Integrated Li-Polymer 41Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 54.7Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 15.2 hr with 667 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.4 hr / 31.2 hr @200nits

Local video playback: up to 21.7 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 13.2 hr with 652 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 11.7 hr / 24.1 hr @200nits

Local video playback: up to 20.1 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 13.1 hr with 730 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 11.7 hr / 30.8 hr @200nits

Local video playback: up to 20.1 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel® Core™ Ultra 5 125U, 16GB LPDDR5x, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), Intel® Core™ Ultra 5 125U, 16GB LPDDR5x, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA low power (non-touch), Intel® Core™ Ultra 5 125H, 16GB LPDDR5x, Win 11, 54.7Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter\*\*<sup>[1]</sup>**

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN****Display**

**Display\*\***

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	400nits	Anti-glare	16:10	1200:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

## Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
 Glass-like Mylar® surface multi-touch touchpad, 61 x 115 mm (2.40 x 4.53 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

301.7 x 214.8 x 15.95 mm (11.88 x 8.46 x 0.63 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with 54.7Wh battery and carbon fiber hybrid top cover	Starting at 1.17 kg (2.58 lbs)
Models with 41Wh battery and CFRP top cover	Starting at 1.12 kg (2.47 lbs)
Models with 41Wh battery and carbon fiber hybrid top cover	Starting at 1.13 kg (2.49 lbs)
Models with 54.7Wh battery and CFRP top cover	Starting at 1.17 kg (2.58 lbs)

**Case Color**

Black

**Case Material**

Carbon fiber hybrid or CFRP (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

### WLAN + Bluetooth<sup>®</sup>\*\*<sup>[2]</sup>

- Intel<sup>®</sup> Wi-Fi<sup>®</sup> 6E AX211, 802.11ax 2x2 Wi-Fi<sup>®</sup> + Bluetooth<sup>®</sup> 5.3<sup>[3]</sup>
- Intel<sup>®</sup> Wi-Fi<sup>®</sup> 7 BE200, 802.11be 2x2 Wi-Fi<sup>®</sup> + Bluetooth<sup>®</sup> 5.3 (Bluetooth<sup>®</sup> 5.4 hardware ready)<sup>[4]</sup>

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[5]</sup>
- Quectel EM061K-GL, 4G LTE CAT6, M.2 Card, with embedded eSIM functionality
- Fibocom FM350-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo<sup>®</sup> USB-C<sup>®</sup> to Ethernet Adapter.

[2] Bluetooth<sup>®</sup> may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[3] Wi-Fi<sup>®</sup> 6E full features might be limited by country-level restrictions.

Wi-Fi<sup>®</sup> 6E is only enabled on Windows<sup>®</sup> 11 and operates as Wi-Fi<sup>®</sup> 6 with Windows<sup>®</sup> 10.

6GHz Wi-Fi<sup>®</sup> 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi<sup>®</sup> 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth<sup>®</sup> 5.3 operation requires Windows<sup>®</sup> 11. For more information please visit [General Bluetooth<sup>®</sup> Support Information on Microsoft<sup>®</sup>](#).

[4] Wi-Fi<sup>®</sup> 7 is only enabled on Windows<sup>®</sup> 11 and operates as Wi-Fi<sup>®</sup> 6 with Windows<sup>®</sup> 10.

6GHz Wi-Fi<sup>®</sup> 7 operation is subject to the regulation rules in each country.

Bluetooth<sup>®</sup> 5.3 operation requires Windows<sup>®</sup> 11. For more information please visit [General Bluetooth<sup>®</sup> Support Information on Microsoft<sup>®</sup>](#).

[5] Wireless WAN upgradable to 4G is only available in EMEA.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C<sup>®</sup> (Thunderbolt<sup>™</sup> 4 / USB4<sup>®</sup> 40Gbps), with USB PD 3.0 and DisplayPort<sup>™</sup> 2.1
- 1x HDMI<sup>®</sup> 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports<sup>\*\*\*</sup>

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt<sup>™</sup> / USB-C<sup>®</sup>.

For more compatible docking solutions, please visit [Docking for ThinkPad<sup>®</sup> X13 Gen 5](#)

## SECURITY & PRIVACY

## Security

### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

### Other Security

- Camera privacy shutter (camera models)
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

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Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

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Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X13 Gen 5](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

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Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

90% recycled magnesium on keyboard frame  
55% recycled aluminium on bottom cover  
85% PCC recycled plastic used in keycaps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Plastic free packaging with FSC certified

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Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

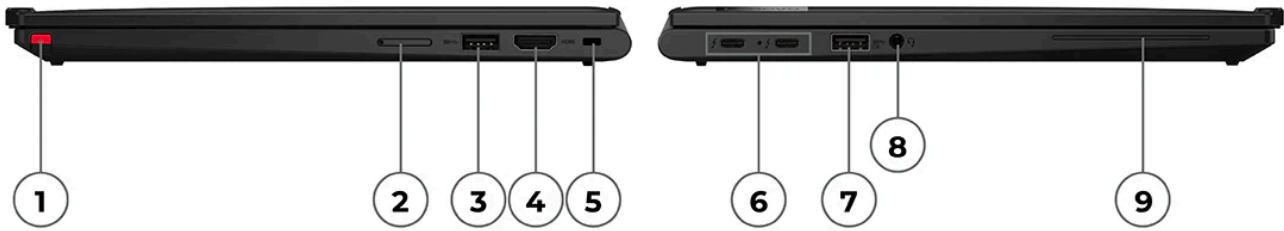
#### Other Certifications



- (Optional) Intel® Evo™ Platform
  - (Optional) Eyesafe® Certified 2.0
- 
- 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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## OVERVIEW



1. Pen slot *	6. 2x Thunderbolt 4
2. Nano-SIM card slot *	7. USB 3.2 Gen 1 (Always On)
3. USB 3.2 Gen 1	8. Headphone / microphone combo jack (3.5mm)
4. HDMI	9. Smart card reader *
5. Kensington Nano Security Slot	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics

Notes:

<sup>[1]</sup> Intel® P series processors are for special bid only.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

<sup>[1]</sup>, <sup>[2]</sup> Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel® Iris® Xe Graphics	Integrated	Shared	DirectX® 12.1

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt™ supports up to 5K@60Hz
- HDMI® supports up to 4K@60Hz

Notes:

<sup>[1]</sup> Refresh rates >60hz also supported, however max resolution will be limited.

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5-4800<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5-6400 but run as LPDDR5-4800 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

### Microphone

- Dual-microphone array, 360° far-field, Dolby Voice®
- No microphone

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- No camera<sup>[1]</sup>

Notes:

[1] No camera is for special bid only.

## Battery

### Battery\*\*<sup>[1]</sup>

- Integrated Li-Polymer 41Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- Integrated Li-Polymer 54.7Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 11.2 hr with 769 performance score @250nits

JEITA 2.0: up to 22.6 hr @150nits  
Local video playback: up to 18.0 hr @150nits

Alternate configuration 2  
MobileMark® 25: up to 10.8 hr with 707 performance score @250nits  
JEITA 2.0: up to 21.8 hr @150nits  
Local video playback: up to 17.3 hr @150nits

Alternate configuration 3  
MobileMark® 25: up to 9.8 hr with 739 performance score @250nits  
JEITA 2.0: up to 18.1 hr @150nits  
Local video playback: up to 15.3 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (touch), Intel® i5-1335U, 8GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA low power (touch), Intel® i7-1360P, 16GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA anti-glare (touch), Intel® i7-1370P, 16GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	300nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	-
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	400nits	Anti-glare	16:10	1200:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0

#### Touchscreen

OGS (One Glass Solution) multi-touch, supports 10-point touch

Notes:

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

## Multi-mode

### Multi-mode

Laptop, tent, stand, and tablet modes supported by 360° hinge

## Input Device

### Pen

- Lenovo® Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen (with a pen garage ready, purchase separately)

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

LED backlight

### UltraNav™

TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

301.7 x 214.6 x 16.4 mm (11.88 x 8.45 x 0.65 inches)

### Weight<sup>[2]</sup>

Starting at 1.21 kg (2.66 lbs)

### Case Color\*\*

- Deep black
- Storm grey

### Case Material

Magnesium (top), magnesium (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

No onboard Ethernet<sup>[1]</sup>

### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[3]</sup>
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

- Near Field Communication

- No support

#### Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] Wireless WAN upgradable to 4G is ONLY available in EMEA.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

#### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X13 Yoga® Gen 4](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication



- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

## Other Security

- Camera privacy shutter (camera models)
- Glance by Mirametrix®
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X13 Yoga® Gen 4](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

## Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

90% recycled magnesium on top cover  
90% recycled magnesium on keyboard frame  
90% recycled magnesium on bottom cover  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
Retail packaging: plastic free packaging with 100% bamboo sugarcane fiber  
Standard or bulk packaging: 90% recycled and FSC certified content

## Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

## 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Intel® Evo™ Platform
- (Optional) Eyesafe® Certified 2.0

• 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.

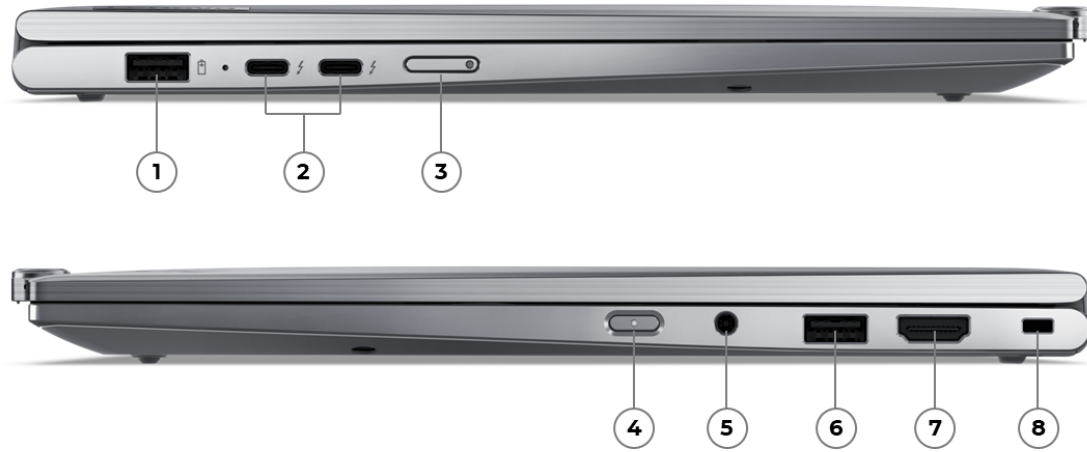
• Feature with \*\*\* means that one or more options listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.

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## OVERVIEW



1. USB-A (USB 5Gbps), Always On	5. Headphone / microphone combo jack (3.5mm)
2. 2x Thunderbolt 4	6. USB-A (USB 5Gbps)
3. Nano-SIM card slot *	7. HDMI
4. Power button	8. Kensington Nano Security Slot

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel® Graphics	Integrated	Shared	DirectX® 12.1

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution

displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, 8-channel

### Memory Type

LPDDR5x-6400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- UHD 8.0MP + IR discrete, with privacy shutter, MIPI, fixed focus, Computer Vision, temporal noise reduction<sup>[1]</sup>

Notes:

[1] UHD 8.0MP + IR camera is only available (100% attach) on Privacy Guard or 2.8K OLED display.

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life**<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 15.1 hr with 597 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 13.2 hr / 32.0 hr @200nits

Local video playback: up to 23.2 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 14.4 hr with 605 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 11.7 hr / 28.4 hr @200nits

Local video playback: up to 23.0 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.9 hr with 732 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 8.6 hr / 14.8 hr @200nits

Local video playback: up to 14.8 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (touch), Intel® Core™ Ultra 7 165U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® Core™ Ultra 5 125U, 32GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: 2.8K OLED (touch), Intel® Core™ Ultra 7 165U, 64GB LPDDR5x, Win 11, 57Wh battery, balanced power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter**\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

**DESIGN****Display****Display**\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[1]</sup>	400nits	Anti-glare, anti-smudge	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0, 87.8% screen to body ratio

14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	400nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe <sup>®</sup> Certified 2.0, 87.8% screen to body ratio
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	500nits	Anti-glare, anti-smudge	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	ThinkPad <sup>®</sup> Privacy Guard, TÜV Rheinland <sup>®</sup> Low Blue Light (Hardware Solution), 87.8% screen to body ratio
14"	2.8K (2880x1800)	Multi-touch	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR <sup>™</sup> 400, Dolby Vision <sup>®</sup> , Eyesafe <sup>®</sup> Certified 2.0, 87.8% screen to body ratio

**Touchscreen**

OGS (One Glass Solution) multi-touch, supports 10-point touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Multi-mode**

**Multi-mode**

Laptop, tent, stand, and tablet modes supported by 360° hinge

**Input Device**

**Pen**

- Lenovo<sup>®</sup> Slim Pen
- No pen (purchase separately)

**Keyboard**

6-row, spill-resistant, air intake design, multimedia Fn keys

**Keyboard Backlight**

LED backlight

**UltraNav<sup>™</sup>\*\***

- TrackPoint<sup>®</sup> pointing device, double-tap to open the TrackPoint<sup>®</sup> Quick Menu  
Glass surface multi-touch Haptic Touchpad, 70.5 x 120 mm (2.78 x 4.72 inches)<sup>[1]</sup>
- TrackPoint<sup>®</sup> pointing device, double-tap to open the TrackPoint<sup>®</sup> Quick Menu  
Glass surface multi-touch 3-button Trackpad, 56.2 x 120 mm (2.21 x 4.72 inches)

Notes:

[1] Haptic Touchpad is mutually exclusive with NFC.

**Mechanical**

**Dimensions (WxDxH)<sup>[1]</sup>**

312.80 x 217.65 x 15.49 mm (12.31 x 8.57 x 0.61 inches)

**Weight<sup>[2]</sup>**

Starting at 1.35 kg (2.97 lbs)

**Case Color**

Grey

**Case Material**

Aluminium (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®\*\*<sup>[2]</sup>

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[4]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication<sup>[5]</sup>
- No support

## Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Intel® Wi-Fi® 7 BE200 is for special bid only.

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[4] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[5] NFC is mutually exclusive with Haptic Touchpad.

### Ports<sup>[1]</sup>

#### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

#### Optional Ports

1x Nano-SIM card slot (WWAN support models)

## Notes:

[1] The transfer speed of the 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.

### Docking

#### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 2-in-1 Gen 9](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader in keyboard key, match-on-chip

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Computer Vision-based User Presence Sensing including lock on leave (UHD 8.0MP + IR camera models)
- Camera privacy shutter
- IR camera for Windows® Hello (facial recognition)
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (FHD 1080p + IR camera models)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- None

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**Notes:**

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X1 2-in-1 Gen 9](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

---

**Notes:**

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

75% recycled aluminium on top cover  
90% recycled magnesium on keyboard frame (WWAN models)  
75% recycled aluminium on keyboard frame (WLAN models)  
55% recycled aluminium and 45% hydro aluminum on bottom cover  
85% PCC recycled plastic used in keycaps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 57Wh battery pack enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
FSC certified plastic free packaging  
Bamboo + sugarcane retail packaging / standard cushions

---

**Notes:**

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

---

**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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

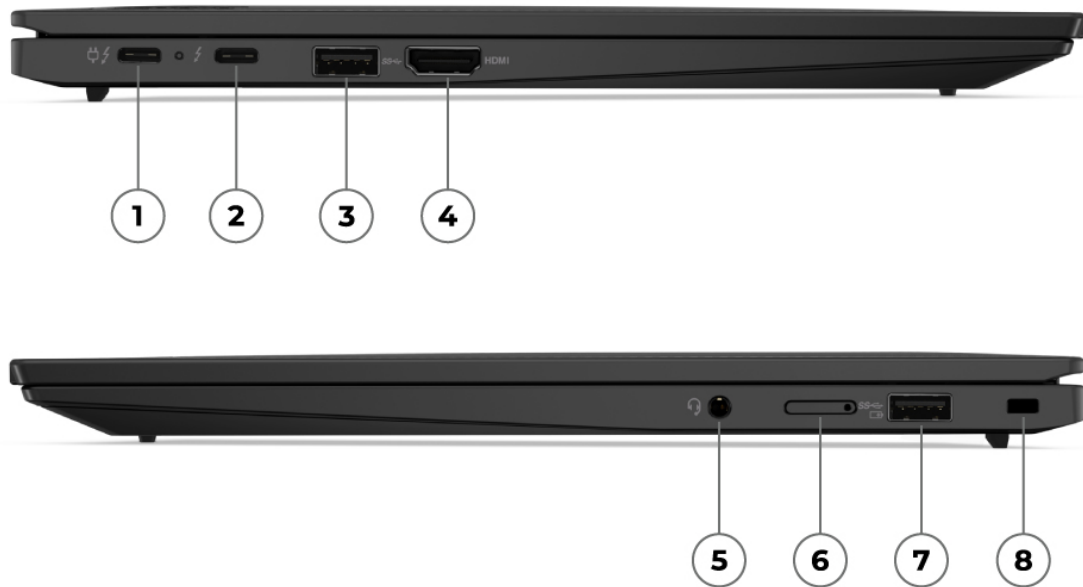
MIL-STD-810H military test passed

### Other Certifications

- (Optional) Intel® Evo™ Platform
  - (Optional) Eyesafe® Certified 2.0
  - (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
  - TÜV Rheinland® Dynamic Privacy Filter (DPF) Certification (Privacy Guard models)
- 
- 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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  - The specifications on this page may not be available in all regions, and may be changed or updated without notice.



## OVERVIEW



1. Thunderbolt 4	5. Headphone / microphone combo jack (3.5mm)
2. Thunderbolt 4	6. Nano-SIM card slot *
3. USB 3.2 Gen 1	7. USB 3.2 Gen 1 (Always On)
4. HDMI	8. Kensington Nano Security Slot

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics

Notes:

[1] Intel® Core™ i5-1340P, i5-1350P and i7-1360p are for special bid only.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1], [2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Iris® Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt™ supports up to 5K@60Hz
- HDMI® supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, 8-channel

### Memory Type\*\*

- LPDDR5/x-6000 (32GB)<sup>[1]</sup>
- LPDDR5/x-6400 (16GB)<sup>[2]</sup>
- LPDDR5x-6000 (64GB)<sup>[3]</sup>

Notes:

[1] Installed memory is actually LPDDR5-6400 or LPDDR5x-7500 but run as LPDDR5-6000 or LPDDR5x-6000 due to platform limitation.

[2] Installed LPDDR5x memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

[3] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6000 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2 woofers and 0.8W x2 tweeters, Dolby Atmos®

### Microphone

Quad-microphone array, 360° far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR discrete, with privacy shutter, MIPI, fixed focus, Computer Vision
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus

## Battery



## Battery<sup>[1]</sup>

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

## Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 13.95 hr with 658 performance score @250nits

JEITA 2.0: up to 28.5 hr @150nits

Local video playback: up to 22.9 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 13.63 hr with 654 performance score @250nits

JEITA 2.0: up to 26.4 hr @150nits

Local video playback: up to 20.5 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 13.48 hr with 642 performance score @250nits

JEITA 2.0: up to 24.8 hr @150nits

Local video playback: up to 19.8 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® i5-1345U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), Intel® i5-1340P, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (non-touch), Intel® i5-1350P, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter<sup>\*\*[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display<sup>\*\*</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified

										2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard
14"	2.2K (2240x1400)	None	IPS <sup>[4]</sup>	300nits	Anti-glare	16:10	1500:1	100% sRGB	85° / 85° / 85° / 85°	TÜV Low Blue Light (Hardware Solution)
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0

### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

[1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, air intake design, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

LED backlight

### UltraNav™

TrackPoint® pointing device and glass surface multi-touch touchpad, 56 x 110 mm (2.20 x 4.33 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

Models	Dimensions
Models with 720p camera	315.6 x 222.5 x 14.96 mm (12.43 x 8.76 x 0.59 inches)
Models with other camera	315.6 x 222.5 x 15.36 mm (12.43 x 8.76 x 0.60 inches)

### Weight<sup>[2]</sup>

Starting at 1.12 kg (2.48 lbs)

### Case Color\*\*

- Deep black, paint
- Deep black, weave

### Case Material

Carbon fiber (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Fibocom L860-GL-16, 4G LTE CAT16, MIMO 4x4, M.2 card, with embedded eSIM functionality
- Fibocom FM350-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

---

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

1x Nano-SIM card slot (WWAN support models)

---

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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Carbon Gen 11](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

### BIOS Security

- NVMe<sup>®</sup> password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

### Other Security

- Camera privacy shutter
- Glance by Mirametrix<sup>®</sup>
- Privacy Guard with Privacy Alert (models with ThinkPad<sup>®</sup> Privacy Guard display)
- (Optional) IR camera for Windows<sup>®</sup> Hello (facial recognition)
- (Optional) Computer Vision-based User Presence Sensing including lock on leave

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel<sup>®</sup> vPro<sup>®</sup> Enterprise<sup>[1]</sup>
- Intel<sup>®</sup> vPro<sup>®</sup> Essentials<sup>[2]</sup>
- Non-vPro<sup>®</sup>

Notes:

[1], [2] Intel<sup>®</sup> vPro<sup>®</sup> offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo<sup>®</sup> HDMI<sup>®</sup> to VGA Monitor Adapter
- Lenovo<sup>®</sup> USB-C<sup>®</sup> to Ethernet Adapter (1Gbps)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad<sup>®</sup> X1 Carbon Gen 11](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

90% recycled magnesium on keyboard frame

55% recycled aluminium on bottom cover

90% PCC recycled plastic used in speaker enclosure

25-30% PCC recycled plastic used in the 57Wh battery enclosure

90% PCC recycled plastic used in standard 45W and 65W adapters

Low-temperature solder

Retail or standard packaging: plastic free packaging with 100% bamboo sugarcane fiber

Bulk packaging: 90% recycled and FSC certified content

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

**Green Certifications<sup>[2]</sup>**

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

- (Optional) Intel® Evo™ Platform
- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)
- TÜV Rheinland® Dynamic Privacy Filter (DPF) Certification (Privacy Guard models)

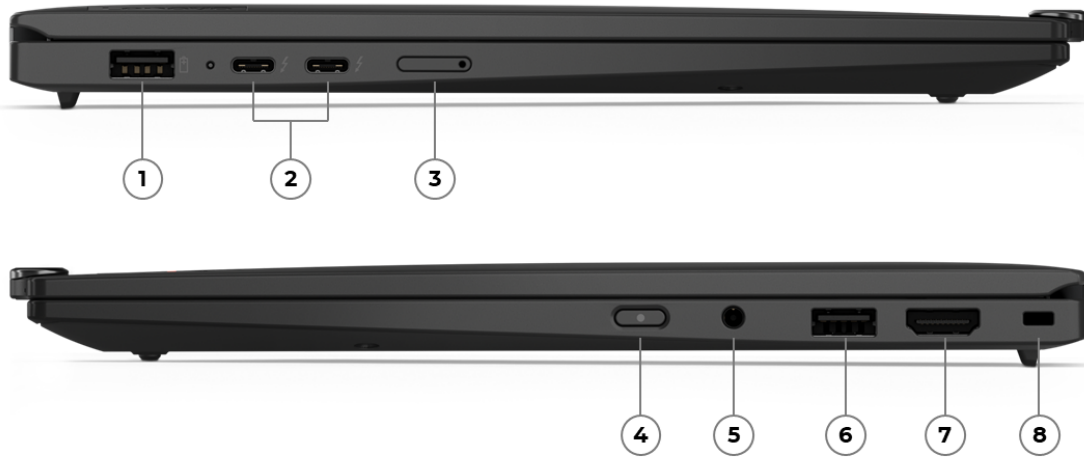
- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
- Feature with \*\*\* means that one or more options listed under the feature can be configured on selected

models. Please refer to the model configuration for specific information.

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## OVERVIEW



1. USB-A (USB 5Gbps), Always On	5. Headphone / microphone combo jack (3.5mm)
2. 2x Thunderbolt 4	6. USB-A (USB 5Gbps)
3. Nano-SIM card slot *	7. HDMI
4. Power button	8. Kensington Nano Security Slot

Notes:

- Items with \* are only available on selected models



## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 125H	14 (4 P-core + 8 E-core + 2 LPE-core)	18	P-core 1.2GHz / E-core 700MHz / LPE-core 700MHz	P-core 4.5GHz / E-core 3.6GHz / LPE-core 2.5GHz	18MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 5 125U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz	P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 5 135U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz	P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 155H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 155U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost
Core Ultra 7 165H	16 (6 P-core + 8 E-core + 2 LPE-core)	22	P-core 1.4GHz / E-core 900MHz / LPE-core 700MHz	P-core 5.0GHz / E-core 3.8GHz / LPE-core 2.5GHz	24MB	Intel® Arc™ Graphics	Intel® AI Boost
Core Ultra 7 165U	12 (2 P-core + 8 E-core + 2 LPE-core)	14	P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz	P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz	12MB	Intel® Graphics	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1], [2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
Intel® Arc™ Graphics	Integrated	Shared	DirectX® 12.2

Intel® Graphics	Integrated	Shared	DirectX® 12.1
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## Monitor Support

### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, 8-channel

### Memory Type

LPDDR5x-6400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, far-field, Dolby Voice®

**Camera\*\***

- FHD 1080p + IR discrete, with privacy shutter, fixed focus, temporal noise reduction
- UHD 8.0MP + IR discrete, with privacy shutter, MIPI, fixed focus, Computer Vision, temporal noise reduction<sup>[1]</sup>

## Notes:

[1] UHD 8.0MP + IR camera is only available (100% attach) on Privacy Guard or 2.8K OLED touch display.

**Battery****Battery<sup>[1]</sup>**

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life<sup>[2]</sup>**

Configuration 1 (max battery life)

MobileMark® 25: up to 16.0 hr with 604 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.8 hr / 35.4 hr @200nits

Local video playback: up to 23.4 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 14.6 hr with 725 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.4 hr / 36.4 hr @200nits

Local video playback: up to 25.2 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 11.6 hr with 768 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 9.2 hr / 15.5 hr @200nits

Local video playback: up to 15.9 hr @150nits

## Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA 400nits (non-touch), Intel® Core™ Ultra 5 125U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA 400nits (non-touch), Intel® Core™ Ultra 7 155H, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: 2.8K OLED (non-touch), Intel® Core™ Ultra 7 155H, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

**Power Adapter****Power Adapter\*\*<sup>[1]</sup>**

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

## Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

**DESIGN**

## Display

### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0, 89.2% screen to body ratio
14"	WUXGA (1920x1200)	On-cell touch	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0, 89.2% screen to body ratio
14"	WUXGA (1920x1200)	None	IPS <sup>[3]</sup>	500nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard, Eyesafe® Certified 2.0, 89.2% screen to body ratio
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 89.2% screen to body ratio
14"	2.8K (2880x1800)	Add-on Film touch	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 89.2% screen to body ratio

### Touchscreen\*\*

- Add-on Film Touch, supports 10-point touch
- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, air intake design, multimedia Fn keys

### Keyboard Backlight

LED backlight

### UltraNav™\*\*

- TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch Haptic Touchpad, 70.5 x 120 mm (2.78 x 4.72 inches)<sup>[1]</sup>
- TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch 3-button Trackpad, 56.2 x 120 mm (2.21 x 4.72 inches)

## Notes:

[1] Haptic Touchpad is mutually exclusive with NFC.

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

312.80 x 214.75 x 14.96 mm (12.31 x 8.45 x 0.59 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with Trackpad	Starting at 1.08 kg (2.37 lbs)
Models with Haptic Touchpad	Starting at 1.09 kg (2.40 lbs)

### Case Color\*\*

- Black, paint
- Black, weave

### Case Material

Carbon fiber (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®\*\*<sup>[2]</sup>

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[3]</sup>
- Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[4]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Quectel EM160R-GL, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel RM520N-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication<sup>[5]</sup>
- No support

## Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Intel® Wi-Fi® 7 BE200 is for special bid only.

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[4] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information](#)

[on Microsoft®.](#)

[5] NFC is mutually exclusive with Haptic Touchpad.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

1x Nano-SIM card slot (WWAN support models)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Carbon Gen 12](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader in keyboard key, match-on-chip

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

#### Other Security

- Computer Vision-based User Presence Sensing including lock on leave (UHD 8.0MP + IR camera models)
- Camera privacy shutter
- IR camera for Windows® Hello (facial recognition)
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- Ultrasonic Human Presence Detection (FHD 1080p + IR camera models)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

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**Notes:**

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

## SERVICE

### Warranty

**Base Warranty\*\***

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*\*[1]**

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- None

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**Notes:**

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X1 Carbon Gen 12](#).

## OPERATING REQUIREMENTS

### Operating Environment

**Temperature<sup>[1]</sup>**

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

---

**Notes:**

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

## ENVIRONMENTAL

### Sustainability

**Material<sup>[1]</sup>**

Recycled carbon fiber contained in plastic frame on top cover  
90% recycled magnesium on keyboard frame  
55% recycled aluminium and 45% hydro aluminum on bottom cover  
85% PCC recycled plastic used in keycaps  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 57Wh battery pack enclosure  
90% PCC recycled plastic used in standard 45W and 65W adapters  
Low-temperature solder  
FSC certified plastic free packaging

Bamboo + sugarcane retail packaging / standard cushions

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Intel® Evo™ Platform
- Eyesafe® Certified 2.0
- TÜV Rheinland® Dynamic Privacy Filter (DPF) Certification (Privacy Guard models)

• 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.

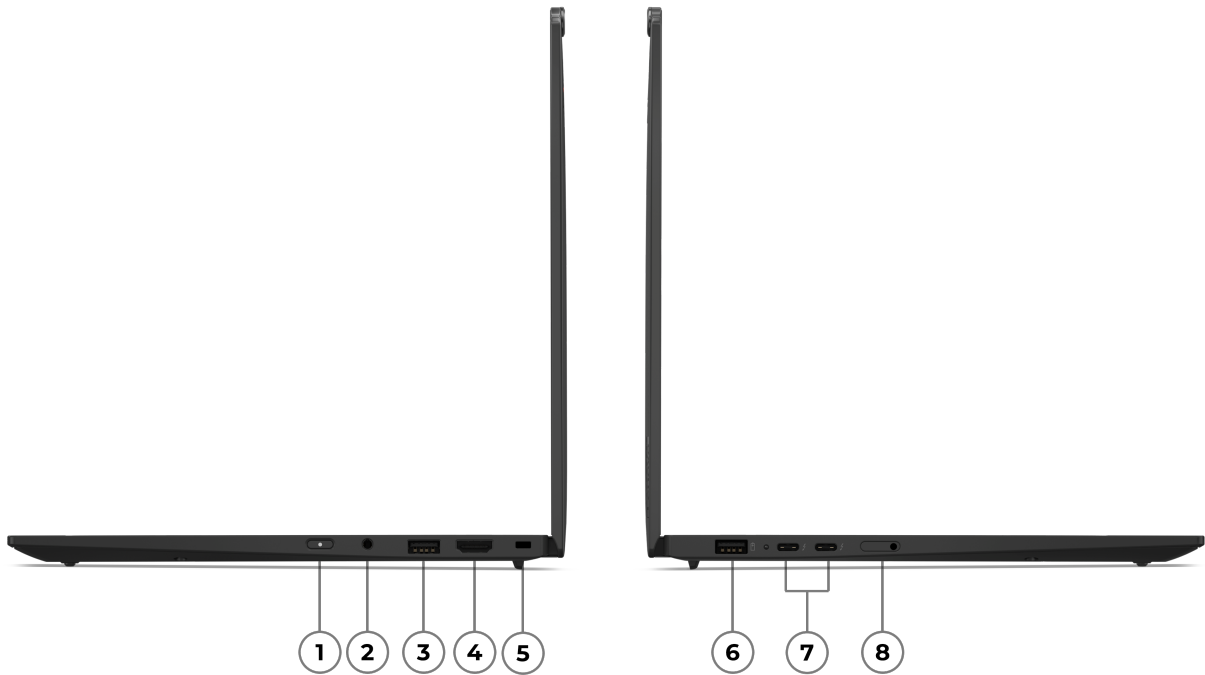
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## OVERVIEW



1. Power button	5. Kensington Nano Security Slot
2. Headphone / microphone combo jack (3.5mm)	6. USB-A (USB 5Gbps), Always On
3. USB-A (USB 5Gbps)	7. 2x Thunderbolt 4
4. HDMI	8. Nano-SIM card slot *

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® 200V Series Core Ultra 7 Processor (Series 2)

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 7 Processor 258V	8 (4 P-core + 4 LPE-core)	8	P-core 2.2GHz / LPE-core 2.2GHz	P-core 4.8GHz / LPE-core 3.7GHz	12MB	Intel® Arc™ Graphics 140V	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC

#### AI Performance

Up to 115 overall TOPS

#### NPU

Integrated Intel® AI Boost, up to 47 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics 140V	Integrated	Shared	Share CPU TDP	DirectX® 12.2

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

32GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

#### Memory Type

LPDDR5x-8533, MoP (Memory on Package) memory

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 5.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 5.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC713 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, 360° far-field, Dolby Voice®

### Camera

FHD 1080p + IR discrete, with privacy shutter, fixed focus, temporal noise reduction

## Battery

### Battery

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)<sup>[1]</sup>

### Battery Life<sup>[2]</sup>

MobileMark® 25: up to 15.0 hr with 628 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 11.6 hr / 14.5 hr @200nits

Local video playback: up to 18.8 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration: 2.8K OLED (non-touch), Intel® Core™ Ultra 7 258V, 32GB LPDDR5x-8533, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	2.8K (2880x1800)	None	OLED	400nits	Anti-glare, anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	120Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 89.2% screen to body ratio

#### Touchscreen

Non-touch

### Input Device

#### Keyboard

6-row, spill-resistant, air intake design, multimedia Fn keys, Copilot key

#### Keyboard Backlight

LED backlight

#### UltraNav™\*\*

- TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch Haptic Touchpad, 70.5 x 120 mm (2.78 x 4.72 inches)
- TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch 3-button Trackpad, 56.2 x 120 mm (2.21 x 4.72 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

312.80 x 214.75 x 8.08-14.37 mm (12.31 x 8.45 x 0.32-0.56 inches)

#### Weight<sup>[2]</sup>

Models	Weight
Models with Haptic Touchpad	Starting at 996g (2.19 lbs)
Models with Trackpad	Starting at 986g (2.17 lbs)

#### Case Color

Black, paint

#### Case Material

Carbon fiber (top), magnesium (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth<sup>[2]</sup>

Intel® Wi-Fi® 7 BE201, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.3 (Bluetooth® 5.4 hardware ready)<sup>[3]</sup>

## WWAN

No support

## SIM Card

No physical SIM card inbox

## NFC

No support

---

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] Wi-Fi® 7 is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1

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Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Carbon Gen 13](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader in keyboard key, match-on-chip

#### BIOS Security

- Supervisor password
- Power-on password
- System management password
- NVMe® password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- IR camera for Windows® Hello (facial recognition)

- Camera privacy shutter

## MANAGEABILITY

### System Management

#### System Management

Non-vPro®

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 3-year (1-yr battery) courier or carry-in service

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories

None

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

Recycled carbon fiber contained in plastic frame on top cover  
90% recycled magnesium on keyboard frame  
90% recycled magnesium on bottom cover  
85% PCC recycled plastic used in keycaps of backlit keyboard  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 57Wh battery pack enclosure  
90% PCC recycled plastic used in 65W adapters  
35% PCC recycled plastic used in cable / antenna holders  
25% PCC recycled plastic used in hall sensor magnet  
Plastic Free Packaging with FSC Certified Paper

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

FSC: Forest Stewardship Council.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- Intel® Evo™ Platform
- Eyesafe® Certified 2.0

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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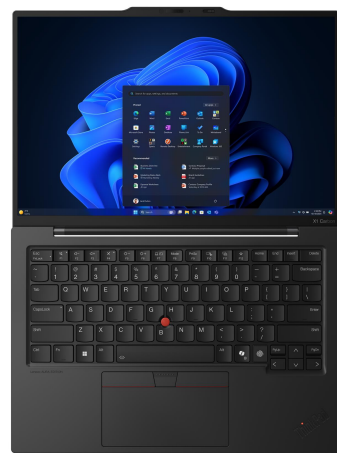
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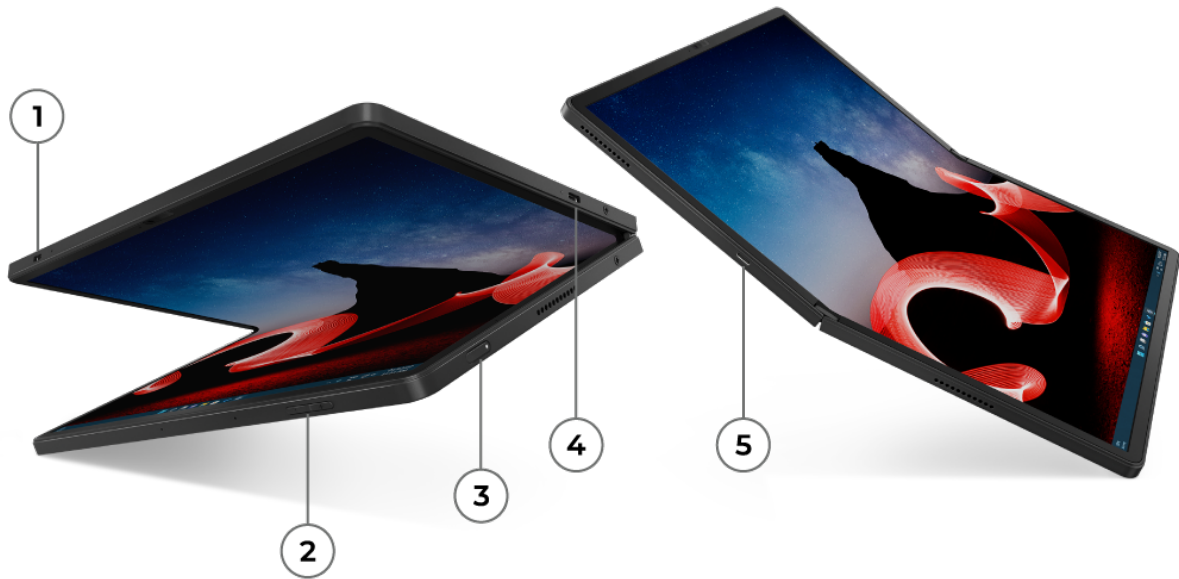


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**OVERVIEW**



1. Thunderbolt 4	4. USB-C 3.2 Gen 2
2. Volume buttons	5. Thunderbolt 4
3. Power button	

Notes:

- Optional nano-SIM card slot on the left of Port 1 (not shown on the sample product above)

## PERFORMANCE

### Processor

#### Processor Family

12th Generation Intel® Core™ i5 / i7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1230U	10 (2 P-core + 8 E-core)	12	P-core 1.0GHz / E-core 0.7GHz	P-core 4.4GHz / E-core 3.3GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1240U	10 (2 P-core + 8 E-core)	12	P-core 1.1GHz / E-core 0.8GHz	P-core 4.4GHz / E-core 3.3GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1250U	10 (2 P-core + 8 E-core)	12	P-core 1.1GHz / E-core 0.8GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1260U	10 (2 P-core + 8 E-core)	12	P-core 1.1GHz / E-core 0.8GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language

### Graphics

#### Graphics

Graphics	Type	Memory	Key Features
Intel® Iris® Xe Graphics	Integrated	Shared	DirectX® 12.1

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and USB-C®)

- USB-C® supports up to 3840x2160@60Hz
- Thunderbolt™ supports up to 5120x3200@60Hz

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

#### Memory Slots

Memory soldered to systemboard, no slots, 8-channel

#### Memory Type

LPDDR5-5200

### Storage

#### Storage Support<sup>[1]</sup>

One drive, up to 1TB M.2 2242 SSD

#### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

#### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio

### Speakers

Stereo speakers, 2W x3, Dolby Atmos®, 2 of 3 speakers enabled in each posture

### Microphone

Quad-microphone array, far-field, Dolby Voice®, 2 of 4 microphones enabled in each posture

### Camera\*\*

- 5.0MP + IR discrete, MIPI, fixed focus
- 5.0MP + IR discrete, MIPI, fixed focus, Computer Vision

## Battery

### Battery\*\*

- Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr)<sup>[1]</sup>
- Integrated Li-Polymer 64Wh (48Wh + 16Wh) battery, gets 4 hours of runtime with a 30-minute charge

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 2018: up to 11.28 hr with 834 performance score @200nits

MobileMark® 25: up to 10.23 hr with 818 performance score @250nits

JEITA 2.0: up to 14.65 hr @150nits

Local video playback: up to 15.18 hr @150nits

Alternate configuration 2

MobileMark® 2018: up to 11.23 hr with 830 performance score @200nits

MobileMark® 25: up to 9.73 hr with 843 performance score @250nits

JEITA 2.0: up to 14.5 hr @150nits

Local video playback: up to 14.75 hr @150nits

Alternate configuration 3

MobileMark® 2018: up to 8.06 hr with 768 performance score @200nits

MobileMark® 25: up to 6.58 hr with 771 performance score @250nits

JEITA 2.0: up to 10.5 hr @150nits

Local video playback: up to 9.96 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): 2560x2024 OLED, Intel® i5-1240U, 16GB LPDDR5, Win 11, 64Wh battery, best power efficiency power mode

Alternate configuration 2: 2560x2024 OLED, Intel® i5-1240U, 16GB LPDDR5, Win 11, 64Wh battery, best power efficiency power mode

Alternate configuration 3: 2560x2024 OLED, Intel® i5-1240U, 8GB LPDDR5, Win 11, 48Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 2018](#), [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
16.3"	2560x2024	Multi-touch	Folding OLED	SDR 400nits / HDR 600nits	Anti-smudge	4:3	1,000,000:1	100% DCI-P3	89° / 89° / 89° / 89°	16.3" when open and 12" when folded, DisplayHDR™ True Black 600, Dolby Vision®

#### Touchscreen

On-cell multi-touch, supports 10-point touch

### Multi-mode

#### Multi-mode

Laptop with OSK (on screen keyboard) or split screen, laptop with keyboard, landscape with keyboard, portrait with keyboard, tablet and book

### Input Device

#### Pen\*\*

- Lenovo® Precision Pen, 4096 levels of pressure sensitivity, magnetically attached to the system. For more information, please read [Lenovo® Precision Pen Overview](#)
- Lenovo® Precision Pen 2 with USB cable, built-in rechargeable battery, 4096 levels of pressure sensitivity, tilt detection, supports WGP, AES 2.0 and MPP 2.0 protocols. For more information, please read [Lenovo® Precision Pen 2](#)
- No pen (purchase separately)

#### Keyboard

- ThinkPad® Bluetooth® TrackPoint® Keyboard and Stand. Full size keyboard with LED backlight, magnetically attachable to bottom, charging via USB-C® cable. Stand supports system in both portrait & landscape modes and magnetically attaches to system in portrait mode. Living hinge for angle adjustment.<sup>[1]</sup>
- No keyboard and stand

#### Keyboard Backlight

LED backlight on optional keyboard

#### UltraNav™

TrackPoint® pointing device and glass surface multi-touch Haptic Touchpad, 50 x 110 mm (1.97 x 4.33 inches), on optional keyboard

Notes:

[1] ThinkPad® Bluetooth® TrackPoint® Keyboard and Stand is sold as a single unit and components are not available individually.

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

Folded: 176.2 x 276.2 x 17.4 mm (6.94 x 10.87 x 0.69 inches)  
Unfolded: 345.7 x 276.2 x 8.6 mm (13.61 x 10.87 x 0.34 inches)

**Weight<sup>[2]</sup>**

Models	Weight
WLAN models with 48Wh battery	X1 Fold 16: starting at 1.26 kg (2.78 lbs) Keyboard and stand: around 627 g (1.38 lbs) Total: around 1.887 kg (4.16 lbs)
WLAN models with 64Wh battery	X1 Fold 16: starting at 1.311 kg (2.89 lbs) Keyboard and stand: around 627 g (1.38 lbs) Total: around 1.938 kg (4.27 lbs)
WWAN models with 64Wh battery	X1 Fold 16: starting at 1.314 kg (2.9 lbs) Keyboard and stand: around 627 g (1.38 lbs) Total: around 1.941 kg (4.28 lbs)

**Case Color**

Performance black

**Case Material**

Aluminium + 100% recycled woven performance fabric

**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**

No onboard Ethernet<sup>[1]</sup>

**WLAN + Bluetooth<sup>®</sup>[2]**

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.2 hardware ready)<sup>[3]</sup>

**WWAN**

- Fibocom FM350-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

**Notes:**

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

**Ports<sup>[1]</sup>****Standard Ports**

- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)

**Optional Ports**

1x Nano-SIM card slot (WWAN support models)

**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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Fold 16 Gen 1](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader in keyboard key, match-on-chip
- No fingerprint reader

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- Glance by Mirametrix®
- IR camera for Windows® Hello (facial recognition)
- Tile ready
- (Optional) Computer Vision-based User Presence Sensing including lock on leave

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

**Notes:**

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service

- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty<sup>[1]</sup>

Notes:

[1] No base warranty is for special bid only.

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>\*\*\*[1]</sup>

- Lenovo® Powered USB-C® Travel Hub
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X1 Fold 16 Gen 1](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

Recycled Performance Woven fabric cover  
97% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the 48Wh and 16Wh batteries  
At least 90% PCC recycled plastic used in standard 65W adapter  
Low-temperature solder  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26



- RoHS compliant
- TCO Certified 9.0

## 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

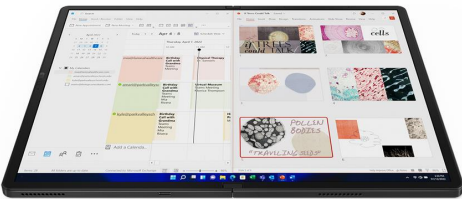
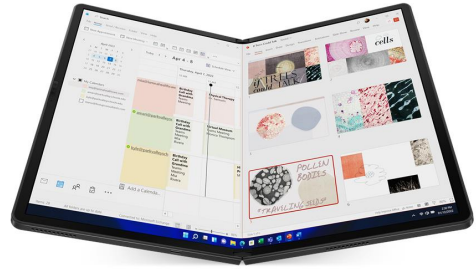
### Mil-Spec Test

MIL-STD-810H military test passed

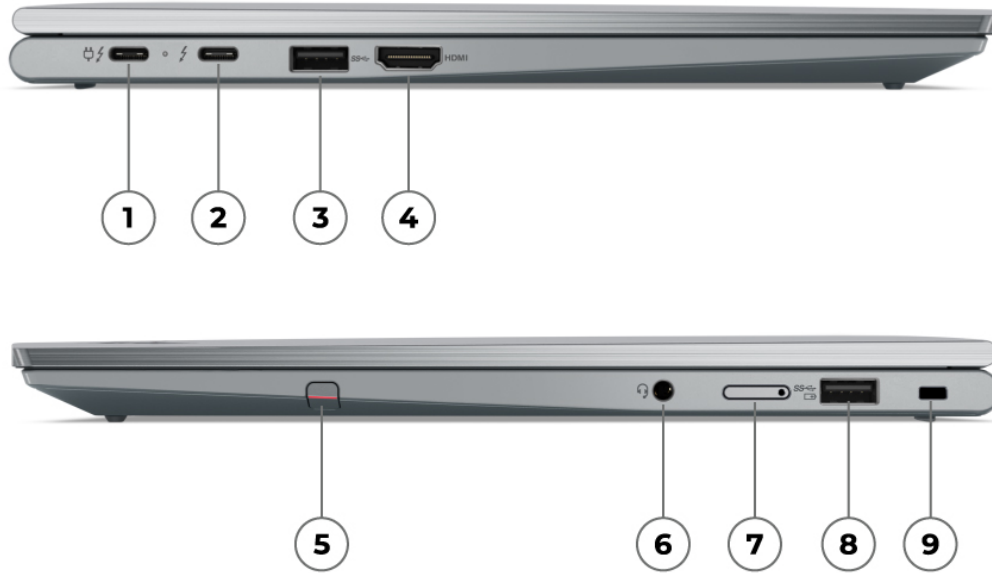
### Other Certifications

(Optional) Intel® Evo™ Platform

- 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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## OVERVIEW



1. Thunderbolt 4	6. Headphone / microphone combo jack (3.5mm)
2. Thunderbolt 4	7. Nano-SIM card slot *
3. USB 3.2 Gen 1	8. USB 3.2 Gen 1 (Always On)
4. HDMI	9. Kensington Nano Security Slot
5. Pen slot	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® U or P Series Core i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
Core i5-1335U	10 (2 P-core + 8 E-core)	12	P-core 1.3GHz / E-core 0.9GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1340P	12 (4 P-core + 8 E-core)	16	P-core 1.9GHz / E-core 1.4GHz	P-core 4.6GHz / E-core 3.4GHz	12MB	Intel® Iris® Xe Graphics
Core i5-1345U	10 (2 P-core + 8 E-core)	12	P-core 1.6GHz / E-core 1.2GHz	P-core 4.7GHz / E-core 3.5GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1355U	10 (2 P-core + 8 E-core)	12	P-core 1.7GHz / E-core 1.2GHz	P-core 5.0GHz / E-core 3.7GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1360P	12 (4 P-core + 8 E-core)	16	P-core 2.2GHz / E-core 1.6GHz	P-core 5.0GHz / E-core 3.7GHz	18MB	Intel® Iris® Xe Graphics
Core i7-1365U	10 (2 P-core + 8 E-core)	12	P-core 1.8GHz / E-core 1.3GHz	P-core 5.2GHz / E-core 3.9GHz	12MB	Intel® Iris® Xe Graphics
Core i7-1370P	14 (6 P-core + 8 E-core)	20	P-core 1.9GHz / E-core 1.4GHz	P-core 5.2GHz / E-core 3.9GHz	24MB	Intel® Iris® Xe Graphics

Notes:

[1] Intel® Core™ i5-1340P, i5-1350P and i7-1360p are for special bid only.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 IoT Enterprise LTSC 2021<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1] Windows® 10 IoT Enterprise LTSC 2021 is for special bid only.

[2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics

Graphics	Type	Memory	TGP	Key Features
Intel® Iris® Xe Graphics	Integrated	Shared	Share CPU TDP	DirectX® 12.1

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 4 independent displays (native display and 3 external monitors via Thunderbolt™ and HDMI®)

- Thunderbolt™ supports up to 5K@60Hz
- HDMI® supports up to 4K@60Hz

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, 8-channel

### Memory Type\*\*

- LPDDR5/x-6000 (32GB)<sup>[1]</sup>
- LPDDR5/x-6400 (16GB)<sup>[2]</sup>
- LPDDR5x-6000 (64GB)<sup>[3]</sup>

Notes:

[1] Installed memory is actually LPDDR5-6400 or LPDDR5x-7500 but run as LPDDR5-6000 or LPDDR5x-6000 due to platform limitation.

[2] Installed LPDDR5x memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

[3] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6000 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type\*\*

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2 woofers and 0.8W x2 tweeters, Dolby Atmos®

### Microphone

Quad-microphone array, 360° far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR discrete, with privacy shutter, MIPI, fixed focus, Computer Vision
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life**<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 13.7 hr with 667 performance score @250nits

JEITA 2.0: up to 27.7 hr @150nits

Local video playback: up to 22.4 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 13.05 hr with 637 performance score @250nits

JEITA 2.0: up to 24.7 hr @150nits

Local video playback: up to 20.1 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 13.4 hr with 659 performance score @250nits

JEITA 2.0: up to 24.2 hr @150nits

Local video playback: up to 19.5 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (touch), Intel® i5-1345U, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), Intel® i5-1340P, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® i5-1350P, 16GB LPDDR5x, Win 11, 57Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

**Power Adapter**\*\*<sup>[1]</sup>

- 45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

**Display**\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[1]</sup>	400nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified 2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[2]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	Low power, Eyesafe® Certified

										2.0
14"	WUXGA (1920x1200)	Multi-touch	IPS <sup>[3]</sup>	500nits	Anti-glare	16:10	1000:1	100% sRGB	85° / 85° / 85° / 85°	ThinkPad® Privacy Guard
14"	WQUXGA (3840x2400)	Multi-touch	OLED	500nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	85° / 85° / 85° / 85°	DisplayHDR™ 400, Dolby Vision®, Eyesafe® Certified 2.0

### Touchscreen

OGS (One Glass Solution) multi-touch, supports 10-point touch

Notes:

[1], [2], [3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Multi-mode

### Multi-mode

Laptop, tent, stand, and tablet modes supported by 360° hinge

## Input Device

### Pen

Lenovo® Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable

### Keyboard

6-row, spill-resistant, air intake design, multimedia Fn keys with Unified Communications controls

### Keyboard Backlight

LED backlight

### UltraNav™

TrackPoint® pointing device and glass surface multi-touch touchpad, 56 x 110 mm (2.20 x 4.33 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

314.4 x 222.3 x 15.53 mm (12.38 x 8.75 x 0.61 inches)

### Weight<sup>[2]</sup>

Starting at 1.38 kg (3.04 lbs)

### Case Color

Storm grey

### Case Material

Aluminium (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

### WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

### WWAN\*\*

- Wireless WAN upgradable to 4G or 5G (with antenna ready)

- Fibocom L860-GL-16, 4G LTE CAT16, MIMO 4x4, M.2 card, with embedded eSIM functionality
- Fibocom FM350-GL, 5G Sub-6 GHz, M.2 Card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

- Near Field Communication
- No support

---

#### Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

1x Nano-SIM card slot (WWAN support models)

---

#### 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Yoga® Gen 8](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- NVMe® password



- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- Camera privacy shutter
- Glance by Mirametrix®
- Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)
- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Computer Vision-based User Presence Sensing including lock on leave

## MANAGEABILITY

### System Management

#### System Management\*\*

- Intel® vPro® Enterprise<sup>[1]</sup>
- Intel® vPro® Essentials<sup>[2]</sup>
- Non-vPro®

Notes:

[1], [2] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X1 Yoga® Gen 8](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

## Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

### Notes:

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

# ENVIRONMENTAL

## Sustainability

### Material<sup>[1]</sup>

55% recycled aluminium on bottom cover

90% PCC recycled plastic used in speaker enclosure

25-30% PCC recycled plastic used in the 57Wh battery enclosure

90% PCC recycled plastic used in standard 45W and 65W adapters

Low-temperature solder

Retail or standard packaging: plastic free packaging with 100% bamboo sugarcane fiber

Bulk packaging: 90% recycled and FSC certified content

### Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

# CERTIFICATIONS

## Green Certifications<sup>[1]</sup>

### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

### 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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

MIL-STD-810H military test passed

### Other Certifications

- (Optional) Intel® Evo™ Platform
- (Optional) Eyesafe® Certified 2.0
- TÜV Rheinland® Dynamic Privacy Filter (DPF) Certification (Privacy Guard models)

• 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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## OVERVIEW



1. Speaker	4. HDMI
2. Thunderbolt 4	5. Thunderbolt 4
3. Headphone / microphone combo jack (3.5mm)	6. Speaker

## PERFORMANCE

### Processor

#### Processor Family

Intel® 200V Series Core Ultra 5 / 7 Processor (Series 2)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 226V	8 (4 P-core + 4 LPE-core)	8	P-core 2.1GHz / LPE-core 2.1GHz	P-core 4.5GHz / LPE-core 3.5GHz	8MB	Intel® Arc™ Graphics 130V, up to 53 TOPS	Intel® AI Boost
Core Ultra 5 228V	8 (4 P-core + 4 LPE-core)	8	P-core 2.1GHz / LPE-core 2.1GHz	P-core 4.5GHz / LPE-core 3.5GHz	8MB	Intel® Arc™ Graphics 130V, up to 53 TOPS	Intel® AI Boost
Core Ultra 5 238V	8 (4 P-core + 4 LPE-core)	8	P-core 2.1GHz / LPE-core 2.1GHz	P-core 4.7GHz / LPE-core 3.5GHz	8MB	Intel® Arc™ Graphics 130V, up to 53 TOPS	Intel® AI Boost
Core Ultra 7 258V	8 (4 P-core + 4 LPE-core)	8	P-core 2.2GHz / LPE-core 2.2GHz	P-core 4.8GHz / LPE-core 3.7GHz	12MB	Intel® Arc™ Graphics 140V, up to 64 TOPS	Intel® AI Boost
Core Ultra 7 268V	8 (4 P-core + 4 LPE-core)	8	P-core 2.2GHz / LPE-core 2.2GHz	P-core 5GHz / LPE-core 3.7GHz	12MB	Intel® Arc™ Graphics 140V, up to 66 TOPS	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC

#### AI Performance

Up to 118 overall TOPS

#### NPU

Integrated Intel® AI Boost, up to 48 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics 130V	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Arc™ Graphics 140V	Integrated	Shared	Share CPU TDP	DirectX® 12.2

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will "-1" when 8K resolution

displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-8533, MoP (Memory on Package) memory

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Cirrus Logic® CS42L43

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array

### Camera\*\*

- FHD 1080p + IR discrete, with E-shutter, fixed focus, temporal noise reduction
- UHD 8.0MP with large sensor + IR discrete, with E-shutter, ToF sensor, MIPI, fixed focus, temporal noise reduction

## Battery

### Battery

Integrated Li-Polymer 55Wh battery, supports Rapid Charge (charge up to 80% in 1hr)<sup>[1]</sup>

### Battery Life<sup>[2]</sup>

MobileMark® 25: up to 15.63 hr with 776 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 13.54 hr / 19.66 hr @200nits

Local video playback: up to 25.26 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration: WUXGA 400nits (non-touch), Intel® Core™ Ultra 5 226V, 16GB LPDDR5x, Win 11, 55Wh battery, best

power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® nano GaN (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® nano GaN (3-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
14"	WUXGA (1920x1200)	None	OLED	400nits	Anti-glare	16:10	100,000:1	100% DCI-P3	60Hz	85° / 85° / 85° / 85°	DisplayHDR™ True Black 500, Dolby Vision®, Eyesafe® Certified 2.0, 90.9% screen to body ratio
14"	2.8K (2880x1800)	Multi-touch	OLED	500nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	30-120Hz VRR	85° / 85° / 85° / 85°	DisplayHDR™ True Black 600, Dolby Vision®, Eyesafe® Certified 2.0, 90.9% screen to body ratio

#### Touchscreen

- OGM (One Glass Metal mesh) multi-touch, supports 10-point touch
- Non-touch

### Input Device

#### Pen

- No pen (purchase separately)
- No support (non-touch display doesn't support pen input)

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, Copilot key

#### Keyboard Backlight

LED backlight

#### Touchpad



Buttonless glass surface multi-touch Haptic Touchpad, supports Precision TouchPad (PTP), 80 x 130 mm (3.15 x 5.12 inches)

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

311.8 x 212.3 x 6.7 - 17.18 mm (12.28 x 8.36 x 0.26 - 0.68 inches)

### Weight<sup>[2]</sup>

Models	Weight
Models with multi-touch display	Starting at 1.27 kg (2.80 lbs)
Models with non-touch display	Starting at 1.21 kg (2.66 lbs)

### Case Color

Grey

### Case Material

Aluminium (top), aluminium (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

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth<sup>[2]</sup>

Intel® Wi-Fi® 7 BE201, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4<sup>[3]</sup>

#### WWAN

No support

#### SIM Card

No physical SIM card inbox

#### NFC

No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] 6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

### Ports<sup>[1]</sup>

#### Standard Ports

- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.  
For more compatible docking solutions, please visit [Docking for ThinkPad® X9-14 Gen 1](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- E-shutter
- IR camera for Windows® Hello (facial recognition)
- ToF Human Presence Detection (2.8K models)
- Ultrasonic Human Presence Detection (WUXGA models)

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to USB-A Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X9-14 Gen 1](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on top cover  
50% recycled aluminium on keyboard frame  
50% recycled aluminium on bottom cover  
85% PCC recycled plastic used in keycaps  
90% PCC recycled plastic used in speaker enclosure  
100% recycled cobalt used in the 55Wh battery  
90% PCC recycled plastic used in the battery frame  
90% PCC recycled plastic used in standard 65W adapters  
Bamboo + sugarcane fiber standard / retail packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

## Other Certifications

- (Optional) Intel® Evo™ Platform
- Eyesafe® Certified 2.0
  
- 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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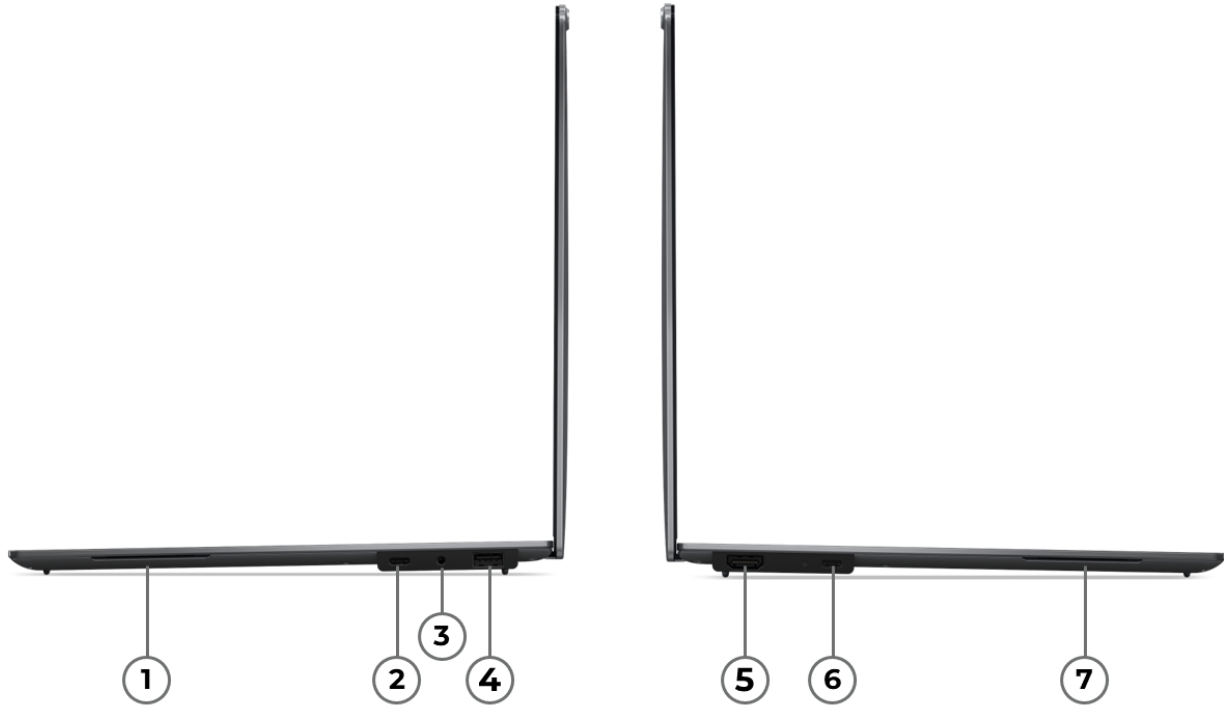


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## OVERVIEW



1. Speaker	5. HDMI
2. Thunderbolt 4	6. Thunderbolt 4
3. Headphone / microphone combo jack (3.5mm)	7. Speaker
4. USB-A (USB 10Gbps), Always On	

## PERFORMANCE

### Processor

#### Processor Family

Intel® 200V Series Core Ultra 5 / 7 Processor (Series 2)

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra 5 226V	8 (4 P-core + 4 LPE-core)	8	P-core 2.1GHz / LPE-core 2.1GHz	P-core 4.5GHz / LPE-core 3.5GHz	8MB	Intel® Arc™ Graphics 130V, up to 53 TOPS	Intel® AI Boost
Core Ultra 5 228V	8 (4 P-core + 4 LPE-core)	8	P-core 2.1GHz / LPE-core 2.1GHz	P-core 4.5GHz / LPE-core 3.5GHz	8MB	Intel® Arc™ Graphics 130V, up to 53 TOPS	Intel® AI Boost
Core Ultra 5 238V	8 (4 P-core + 4 LPE-core)	8	P-core 2.1GHz / LPE-core 2.1GHz	P-core 4.7GHz / LPE-core 3.5GHz	8MB	Intel® Arc™ Graphics 130V, up to 53 TOPS	Intel® AI Boost
Core Ultra 7 258V	8 (4 P-core + 4 LPE-core)	8	P-core 2.2GHz / LPE-core 2.2GHz	P-core 4.8GHz / LPE-core 3.7GHz	12MB	Intel® Arc™ Graphics 140V, up to 64 TOPS	Intel® AI Boost
Core Ultra 7 268V	8 (4 P-core + 4 LPE-core)	8	P-core 2.2GHz / LPE-core 2.2GHz	P-core 5GHz / LPE-core 3.7GHz	12MB	Intel® Arc™ Graphics 140V, up to 66 TOPS	Intel® AI Boost

### AI (Artificial Intelligence)

#### AI PC Category

Copilot+ PC

#### AI Performance

Up to 118 overall TOPS

#### NPU

Integrated Intel® AI Boost, up to 48 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
Intel® Arc™ Graphics 130V	Integrated	Shared	Share CPU TDP	DirectX® 12.2
Intel® Arc™ Graphics 140V	Integrated	Shared	Share CPU TDP	DirectX® 12.2

### Monitor Support

#### Monitor Support<sup>[1]</sup>

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will "-1" when 8K resolution

displayed.

## Chipset

### Chipset

Intel® SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-8533, MoP (Memory on Package) memory

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Cirrus Logic® CS42L43

### Speakers

Stereo speakers, 2W x2 woofers and 2W x2 tweeters, Dolby Atmos®

### Microphone

Dual-microphone array with smart noise-cancelling

### Camera

UHD 8.0MP with large sensor + IR discrete, with E-shutter, ToF sensor, MIPI, fixed focus

## Sensor

### Sensors

- Color sensor
- ToF sensor

## Battery

### Battery

Integrated Li-Polymer 80Wh battery

### Battery Life<sup>[1]</sup>

Configuration 1

MobileMark® 30: up to 21.18 hr @250nits

JEITA-BAT 3.0 (Video/Idle): up to 26.85 hr / 26.88 hr @200nits

Local video playback: up to 29.55 hr @150nits



Configuration 2

MobileMark® 30: up to 21 hr @250nits  
JEITA-BAT 3.0 (Video/Idle): up to 24.58 hr / 27.42 hr @200nits  
Local video playback: up to 29.72 hr @150nits

Configuration 3

MobileMark® 30: up to 20.11 hr @250nits  
JEITA-BAT 3.0 (Video/Idle): up to 22.01 hr / 23.81 hr @200nits  
Local video playback: up to 28.42 hr @150nits

Notes:

- [1] Configuration 1: WQXGA+ (non-touch), Intel® Ultra 5 226V, 16GB LPDDR5x, Win 11, 80Wh battery, best power efficiency power mode
- Configuration 2: WQXGA+ (touch), Intel® Ultra 7 258V, 32GB LPDDR5x, Win 11, 80Wh battery, best power efficiency power mode
- Configuration 3: WQXGA+ (touch), Intel® Ultra 7 268V, 32GB LPDDR5x, Win 11, 80Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 30](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode with 150nits brightness and default volume level), or Google Power Load Test (PLT) battery-life benchmark tests.  
Actual battery life will vary and depends on many factors such as product configuration, software, wireless functionality, power management settings, and screen brightness.  
The maximum capacity of the battery will decrease with time, ambient temperature and use.  
Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® nano GaN (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® nano GaN (3-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

- [1] AC adapter offerings depend on the country.
- [2] No power adapter is for special bid only.

## DESIGN

### Display

Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
15.3"	2.8K WQXGA+ (2880x1800)	Multi-touch	OLED	500nits	Anti-reflection, anti-fingerprint	16:10	100,000:1	100% DCI-P3	30-120Hz VRR	85° / 85° / 85° / 85°	Eye Comfort Certification (5-star), Dolby Vision®, DisplayHDR™ True Black 600, X-Rite®
15.3"	2.8K WQXGA+ (2880x1800)	None	OLED	500nits	Anti-reflection, anti-fingerprint	16:10	100,000:1	100% DCI-P3	30-120Hz VRR	85° / 85° / 85° / 85°	Eye Comfort Certification (5-star), Dolby Vision®, DisplayHDR™ True Black 600, X-Rite®

**Color Calibration**

X-Rite® factory color calibration

**Touchscreen**

- Add-on Film Touch, supports 10-point touch
- Non-touch

**Input Device****Pen**

No support

**Keyboard**

6-row, spill-resistant, multimedia Fn keys, Copilot key

**Keyboard Backlight**

LED backlight

**Touchpad\*\***

- Buttonless glass surface multi-touch Haptic Touchpad, supports Precision TouchPad (PTP), 80 x 135 mm (3.15 x 5.31 inches)
- Buttonless glass surface multi-touch TrackPad, supports Precision TouchPad (PTP), 80 x 135 mm (3.15 x 5.31 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

339.55 x 228.5 x 12.9 mm (13.37 x 9.0 x 0.51 inches)

**Weight<sup>[2]</sup>**

Starting at 1.4 kg (3.08 lbs)

**Case Color**

Grey

**Case Material**

Aluminium (top), aluminium (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**

No onboard Ethernet<sup>[1]</sup>

**WLAN + Bluetooth<sup>[2]</sup>**

Intel® Wi-Fi® 7 BE201, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4<sup>[3]</sup>

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

[3] 6GHz Wi-Fi® 7 operation is subject to the regulation rules in each country.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™.

For more compatible docking solutions, please visit [Docking for ThinkPad® X9-15 Gen 1](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader integrated in power button, match-on-chip

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- E-shutter
- IR camera for Windows® Hello (facial recognition)
- ToF Human Presence Detection

## MANAGEABILITY

### System Management

#### System Management

- Intel® vPro® Enterprise<sup>[1]</sup>
- Non-vPro®

Notes:

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

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service

- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories<sup>[1]</sup>

- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X9-15 Gen 1](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

50% recycled aluminium on top cover  
50% recycled aluminium on keyboard frame  
50% recycled aluminium on bottom cover  
90% PCC recycled plastic used in the battery pack enclosure  
100% recycled cobalt used in the 80Wh battery  
85% PCC recycled plastic used in key caps  
90% PCC recycled plastic used in speaker enclosure  
30% recycled REE (Rare Earth) in speaker magnet  
90% PCC recycled plastic used in standard 65W adapter  
FSC certified plastic-free packaging  
Bamboo + sugarcane fiber standard / retail packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0

- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

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**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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

## Other Certifications

### Mil-Spec Test

Work in progress

### Other Certifications

- (Optional) Intel® Evo™ Platform
- Eyesafe® Certified 2.0
- TÜV Rheinland® Eye Comfort Certification (5-star)

- 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.

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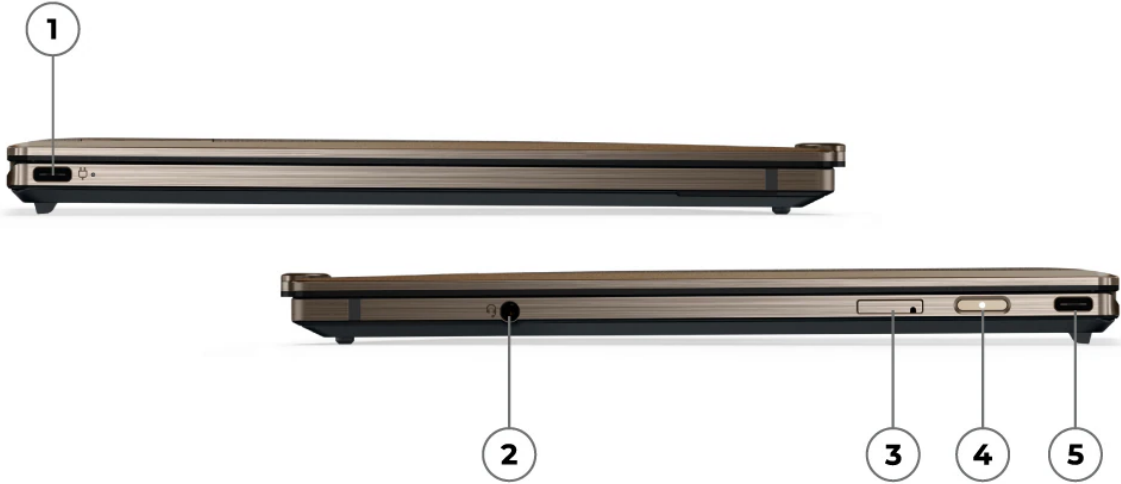


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**OVERVIEW**



1. USB4	4. Power button
2. Headphone / microphone combo jack (3.5mm)	5. USB4
3. Nano-SIM card slot *	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 5 PRO 7540U	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 7 PRO 7840U	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### AI (Artificial Intelligence)

#### AI PC Category

AI PC<sup>[1]</sup>

#### NPU

Integrated AMD Ryzen™ AI, up to 10 TOPS<sup>[2]</sup>

Notes:

[1], [2] Only for the models with AMD Ryzen™ 7 PRO 7840U processor.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1], [2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ 740M	Integrated	Shared	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via USB4®)

- USB4® supports up to 8K@30Hz<sup>[1]</sup>

Notes:

[1] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

### Chipset

#### Chipset

AMD SoC (System on Chip) platform



## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable<sup>[1]</sup>

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-6400<sup>[2]</sup>

Notes:

[1] Available for AMD Ryzen™ 7 PRO models only.

[2] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, 360° far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR discrete, with E-shutter, fixed focus
- FHD 1080p + IR hybrid, with E-shutter, fixed focus

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 51.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 16.15 hr with 674 performance score @250nits

JEITA 2.0: up to 24.34 hr @150nits

Local video playback: up to 23.46 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 15.91 hr with 648 performance score @250nits

JEITA 2.0: up to 22.32 hr @150nits

Local video playback: up to 19.71 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 10.23 hr with 634 performance score @250nits

JEITA 2.0: up to 13.6 hr @150nits

Local video playback: up to 18.4 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 PRO 7840U, 16GB LPDDR5, Win 11, 51.5Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 5 PRO 7540U, 16GB LPDDR5, Win 11, 51.5Wh battery, best power efficiency power mode

Alternate configuration 3: 2.8K OLED (touch), AMD Ryzen™ 5 PRO 7540U, 16GB LPDDR5, Win 11, 51.5Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*[1]

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter<sup>[2]</sup>

Notes:

[1] AC adapter offerings depend on the country.

[2] Special bid only.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
13.3"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, TÜV Low Blue Light (Hardware Solution), 91.6% screen to body ratio
13.3"	WUXGA (1920x1200)	On-cell touch	IPS <sup>[2]</sup>	400nits	Anti-reflection, anti-smudge	16:10	1500:1	100% sRGB	60Hz	89° / 89° / 89° / 89°	Low power, TÜV Low Blue Light (Hardware Solution), 91.6% screen to body ratio
13.3"	2.8K (2880x1800)	OGS touch	OLED	400nits	Anti-reflection, anti-	16:10	100,000:1	100% DCI-P3	60Hz	87.5° / 87.5° / 87.5° /	DisplayHDR™ 400, Dolby Vision®, TÜV

					smudge					87.5°	Low Blue Light (Hardware Solution), 91.6% screen to body ratio
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**Touchscreen\*\***

- OGS (One Glass Solution) multi-touch, supports 10-point touch
- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Pen**

- No pen (purchase separately)
- No support (non-touch display doesn't support pen input)

**Keyboard**

6-row, spill-resistant, edge-to-edge, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

LED backlight

**UltraNav™**TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch Haptic Touchpad, 70.9 x 120 mm (2.79 x 4.72 inches)**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

294.4 x 199.6 x 13.99 mm (11.59 x 7.86 x 0.55 inches)

**Weight<sup>[2]</sup>**

Models	Weight
Models with arctic grey cover and OLED display	Starting at 1.24 kg (2.74 lbs)
Models with flax fiber bronze cover and OLED display	Starting at 1.27 kg (2.80 lbs)
Models with arctic grey cover and WUXGA non-touch display	Starting at 1.19 kg (2.63 lbs)
Models with arctic grey cover and WUXGA multi-touch display	Starting at 1.26 kg (2.78 lbs)
Models with flax fiber bronze cover and WUXGA multi-touch display	Starting at 1.29 kg (2.84 lbs)

**Case Color\*\***

- Arctic grey (top), black (bottom)
- Flax fiber bronze (top), black (bottom)<sup>[3]</sup>

**Case Material\*\***

- Arctic grey models: aluminium (top), aluminium (bottom)
- Flax fiber bronze models: flax fiber + aluminium (top), aluminium (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.

[3] Available for multi-touch models only.

**CONNECTIVITY****Network****Ethernet**

No onboard Ethernet<sup>[1]</sup>

#### WLAN + Bluetooth®

MediaTek Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

#### WWAN

- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No physical SIM card inbox

#### NFC

No support

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Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 2x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports

1x Nano-SIM card slot (WWAN support models)

---

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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® Z13 Gen 2](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader in keyboard key, match-on-chip

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password

- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

**Other Security**

- E-shutter
- Glance by Mirametrix®
- IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

### System Management

**System Management**

- DASH
- Non-DASH

## SERVICE

### Warranty

**Base Warranty\*\***

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty<sup>[1]</sup>

Notes:

[1] No base warranty is for special bid only.

## ACCESSORIES

### Bundled Accessories

**Bundled Accessories\*\*\*<sup>[1]</sup>**

- Lenovo® Powered USB-C® Travel Hub
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to HDMI® Adapter
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® Z13 Gen 2](#).

## OPERATING REQUIREMENTS

### Operating Environment

**Temperature<sup>[1]</sup>**

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

**Relative Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

75% recycled aluminium on top cover  
Sustainable flax fiber on bronze top cover  
55% recycled aluminium on bottom cover  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 51.5Wh battery frame  
90% PCC recycled plastic used in standard 65W adapter  
Low-temperature solder  
FSC certified plastic free packaging with bamboo + sugarcane fiber retail box / standard cushion

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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AMD



AMD



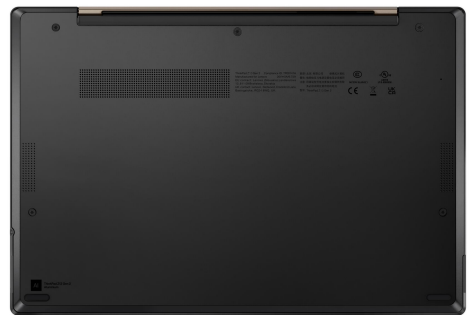
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AMD

## OVERVIEW



1. USB4	5. Headphone / microphone combo jack (3.5mm)
2. USB4	6. USB-C 3.2 Gen 2
3. SD card reader	7. Kensington Nano Security Slot
4. Power button	



## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 / 9 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 5 PRO 7640HS	6	12	4.3GHz	5.0GHz	6MB L2 / 16MB L3	AMD Radeon™ 760M
AMD Ryzen™ 7 PRO 7840HS	8	16	3.8GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M
AMD Ryzen™ 9 PRO 7940HS	8	16	4.0GHz	5.2GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M

### AI (Artificial Intelligence)

#### AI PC Category

AI PC

#### NPU

Integrated AMD Ryzen™ AI, up to 10 TOPS

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Fedora Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Linux<sup>[3]</sup>
- No preload operating system

Notes:

[1], [2], [3] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Key Features
AMD Radeon™ 760M	Integrated	Shared	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	DirectX® 12
AMD Radeon™ RX 6550M	Discrete	4GB GDDR6	DirectX® 12 Ultimate

### Monitor Support

#### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via USB4® and USB-C®)

- USB-C® supports up to 4K@60Hz (4 displays output), 5K@60Hz (3 displays output) or 5K@120Hz (up to 2 displays output)
- USB4® supports up to 8K@30Hz<sup>[1]</sup>

Notes:

[1] 8K resolution support needs 2 display pipes. That is, simultaneous display number will "-1" when 8K resolution displayed.

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

## Memory

### Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable<sup>[1]</sup>

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

### Memory Type

LPDDR5x-6400<sup>[2]</sup>

Notes:

[1] Available for AMD Ryzen™ 9 PRO models only.

[2] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 due to platform limitation.

## Storage

### Storage Support<sup>[1]</sup>

One drive, up to 2TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

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

## Removable Storage

### Card Reader

SD card reader, supports UHS-II SD card

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, 360° far-field, Dolby Voice®

### Camera\*\*

- FHD 1080p + IR discrete, with E-shutter, fixed focus
- FHD 1080p + IR hybrid, with E-shutter, fixed focus

## Battery

### Battery<sup>[1]</sup>

Integrated Li-Polymer 72Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 18.46 hr with 726 performance score @250nits

JEITA 2.0: up to 25.28 hr @150nits

Local video playback: up to 25.53 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 17.75 hr with 722 performance score @250nits

JEITA 2.0: up to 25.12 hr @150nits

Local video playback: up to 24.61 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 8.63 hr with 869 performance score @250nits

JEITA 2.0: up to 12.11 hr @150nits

Local video playback: up to 12.65 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA (non-touch), AMD Ryzen™ 7 PRO 7840HS, 16GB LPDDR5x, Win 11, 72Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (touch), AMD Ryzen™ 7 PRO 7840HS, 16GB LPDDR5x, Win 11, 72Wh battery, best power efficiency power mode

Alternate configuration 3: WQUXGA OLED (touch), AMD Ryzen™ 7 PRO 7840HS, 32GB LPDDR5x, AMD Radeon™ RX 6550M, Win 11, 72Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode 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, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter<sup>[1]</sup>

135W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
16"	WUXGA (1920x1200)	None	IPS <sup>[1]</sup>	400nits	Anti-glare	16:10	1000:1	100% sRGB	60Hz	89° / 89° / 80° / 80°	Low power, TÜV Low Blue Light (Hardware Solution), 92.3% screen to body ratio
16"	WUXGA (1920x1200)	On-cell touch	IPS <sup>[2]</sup>	400nits	Anti-reflection, anti-smudge	16:10	1000:1	100% sRGB	60Hz	89° / 89° / 80° / 80°	Low power, TÜV Low Blue Light (Hardware Solution), 92.3% screen to body ratio
16"	WQUXGA (3840x2400)	OGS touch	OLED	400nits	Anti-reflection, anti-smudge	16:10	100,000:1	100% DCI-P3	60Hz	87.5° / 87.5° / 87.5° / 87.5°	DisplayHDR™ 400, Dolby Vision®, TÜV Low Blue Light (Hardware Solution), 92.3% screen to body ratio

**Touchscreen\*\***

- OGS (One Glass Solution) multi-touch, supports 10-point touch
- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

**Input Device****Pen**

- No pen (purchase separately)
- No support (non-touch display doesn't support pen input)

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**

LED backlight

**UltraNav™**

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu  
Glass surface multi-touch Haptic Touchpad, 80 x 120 mm (3.15 x 4.72 inches)

**Mechanical****Dimensions (WxDxH)<sup>[1]</sup>**

354.4 x 237.4 x 15.8 mm (13.95 x 9.35 x 0.62 inches)

**Weight<sup>[2]</sup>**

Models	Weight
OLED models	Starting at 1.81 kg (3.99 lbs)
WUXGA non-touch models	Starting at 1.83 kg (4.04 lbs)
WUXGA multi-touch models	Starting at 1.94 kg (4.28 lbs)

**Case Color**

Arctic grey (top), black (bottom)

**Case Material**

Aluminium (top), aluminium (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**

No onboard Ethernet<sup>[1]</sup>

**WLAN + Bluetooth®**

MediaTek Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

**WWAN**

No support

**NFC**

No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

[2] Wi-Fi® 6E full features might be limited by country-level restrictions.

Wi-Fi® 6E is only enabled on Windows® 11 and operates as Wi-Fi® 6 with Windows® 10.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

## Ports<sup>[1]</sup>

### Standard Ports

- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 2x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD 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.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® Z16 Gen 2](#)

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0 (TCG certified, FIPS 140-2 certified) and Microsoft® Pluton TPM 2.0, one enabled at one time

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

No smart card reader

#### Fingerprint Reader

Touch style fingerprint reader in keyboard key, match-on-chip

#### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS

#### Other Security

- E-shutter
- Glance by Mirametrix®
- IR camera for Windows® Hello (facial recognition)

## MANAGEABILITY

## System Management

### System Management

- DASH
- Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty<sup>[1]</sup>

Notes:

[1] No base warranty is for special bid only.

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® Powered USB-C® Travel Hub
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to HDMI® Adapter
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® Z16 Gen 2](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

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

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

75% recycled aluminium on top cover  
55% recycled aluminium on bottom cover  
90% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the 72Wh battery frame  
90% PCC recycled plastic used in standard 135W adapter  
Low-temperature solder  
FSC certified plastic free packaging with bamboo + sugarcane fiber retail box / standard cushion

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 9.0

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](https://epeat.net) and [energystar.gov](https://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

TÜV Rheinland® Low Blue Light (Hardware Solution)

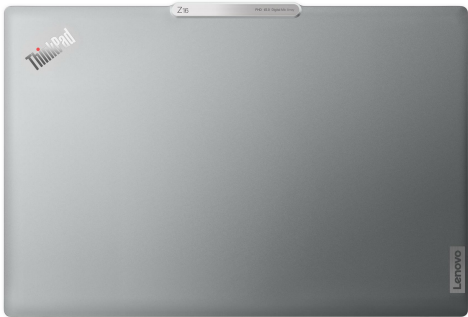
- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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**Warranty:** For a copy of applicable warranties, write to: Lenovo Warranty Information, 1009 Think Place, Morrisville, NC, 27560. Lenovo makes no representation or warranty regarding third party products or services. The Lenovo Limited Warranty applies only to Lenovo hardware products purchased for your own use, and does not transfer upon resale.

**Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

#### **Lenovo Services:**

**Carry-in or Mail-in Service:** Parts and labor repair coverage where the customer is responsible for shipping (including packaging) or delivery to authorized warranty provider or repair center.

**Depot or Courier Service:** Parts and labor repair coverage where shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

**Expedited Depot:** Parts and labor coverage with expedited turnaround. Shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

**Onsite / In-home Service:** Parts and labor repair coverage where labor is provided onsite at your place of business.

If Lenovo determines your product problem is covered by the product warranty and cannot be resolved over the telephone, a technician will be dispatched to arrive onsite, typically the next day.

**International Warranty Service (IWS):** PC repair coverage for customers who require a critical warranty repair while travelling internationally. Visit [www.lenovo.com/internationalwarranty](http://www.lenovo.com/internationalwarranty) for details. Visit [www.lenovo.com/warranty](http://www.lenovo.com/warranty) for Lenovo Warranty Services terms and conditions for complete details and restrictions.

**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

Visit <http://psref.lenovo.com/> for the latest version of Product Specifications Reference.

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