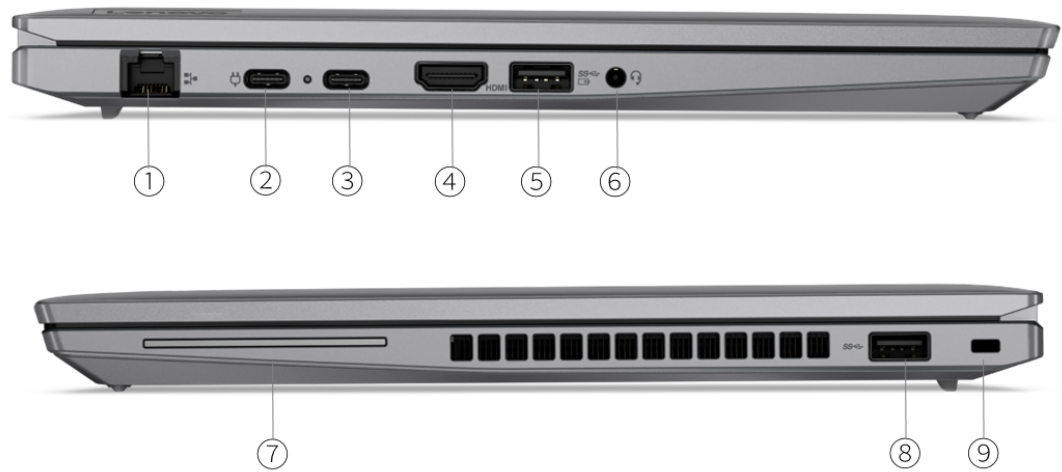


OVERVIEW



| | |
|------------------------------|--|
| 1. Ethernet (GbE 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**^[1]

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|----------------|--------------------------|---------|-------------------------------|-------------------------------|-------------------------|--------------------------|
| Core i5-1340P | 12 (4 P-core + 8 E-core) | 16 | - | P-core 4.6GHz / E-core 3.4GHz | 12MB Intel® Smart Cache | 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® Smart Cache | Intel® Iris® Xe Graphics |
| Core i7-1360P | 12 (4 P-core + 8 E-core) | 16 | - | P-core 5.0GHz / E-core 3.7GHz | 18MB Intel® Smart Cache | 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® Smart Cache | 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
- Ubuntu Linux LTS
- Red Hat Enterprise Linux 9.1 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))^[1]
- No preload operating system

Notes:

^[1] 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 ^[1] | 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:

^[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® 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 SODIMM)

Memory Slots**

- Models with DDR5 memory: one memory soldered to systemboard, one DDR5 SODIMM 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^[1]
- LPDDR5x-7500 non-ECC (models with discrete graphics), maximum transfer speeds of up to 4800 MT/s^[2]

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

Max Storage Support^[1]

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

Storage Slot^[2]

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.
- [2] The actual data transfer rate of the following PCIe® interface also depends on the capabilities of the connected PCIe® device. The listed values represent theoretical maximums.
- PCIe® 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps);
- PCIe® 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps);
- PCIe® 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).

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**

- HD 720p with privacy shutter, fixed focus
- FHD 1080p + IR hybrid with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- 5.0MP + IR with privacy shutter and Ultrasonic Human Presence Detection, fixed focus
- No camera (for special bid model)

Battery

Battery**

- 39.3Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr)
- 52.5Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr)

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 |
|------|-------------------|-------------|--------------------|------------|---|--------------|----------------|-------------|-------------------------|--|
| 14" | WUXGA (1920x1200) | Multi-touch | IPS ^[1] | 300nits | Anti-glare | 16:10 | 800:1 | 45% NTSC | 85° / 85° / 85° / 85° | 84% screen to body ratio, DC dimming |
| 14" | WUXGA (1920x1200) | Non-touch | IPS ^[2] | 300nits | Anti-glare | 16:10 | 800:1 | 45% NTSC | 85° / 85° / 85° / 85° | 84% screen to body ratio, DC dimming |
| 14" | WUXGA (1920x1200) | Non-touch | IPS ^[3] | 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 ^[4] | 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) | Non-touch | IPS ^[5] | 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) | Non-touch | 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 |

Touchscreen

- On-cell multi-touch, supports 10-point touch (selected FHD display)
- Non-touch

Color Calibration**

- ICC Template color calibration (low power display)
- X-Rite® factory color calibration (OLED display)

- No color calibration

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)^[1]

| Models | Dimensions |
|---|--|
| 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 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 gery cover | 317.7 x 227.36 x 17.9 mm (12.51 x 8.95 x 0.7 inches) |

Weight^[2]

| 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 discrete graphics: PC 50% GF + PC 20% CF (top), aluminium (bottom)
- Models with black cover and integrated graphics: 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

WLAN + Bluetooth®**^[1]

- Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3^[2]
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3^[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

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

NFC

- Near Field Communication
- No support

Notes:

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

[2], [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^[1]**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 (GbE RJ-45)
- 1x Security keyhole

Optional Ports

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

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

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

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

Other Security

- Bottom cover tamper detection
- Camera privacy shutter (camera models)
- (Optional) Ultrasonic Human Presence Detection for IR camera
- (Optional) IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

System Management

System Management^[1]

- Intel® vPro® Enterprise^[2]
- Non-vPro®

Notes:

[1] Intel® vPro® platform require an eligible Intel® processor, a supported operating system, Intel® LAN and/or WLAN silicon, firmware enhancements, and other hardware and software necessary to deliver the manageability use cases, security features, system performance, and stability that define the platform. See [Intel® vPro® Platform](#) for details.

[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^{*[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® P14s Gen 4 \(Intel®\)](#)

OPERATING REQUIREMENTS

Operating Environment

Temperature^[1]

- 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^[1]

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^[1]

Green Certifications^[2]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered^[3]
- 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 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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