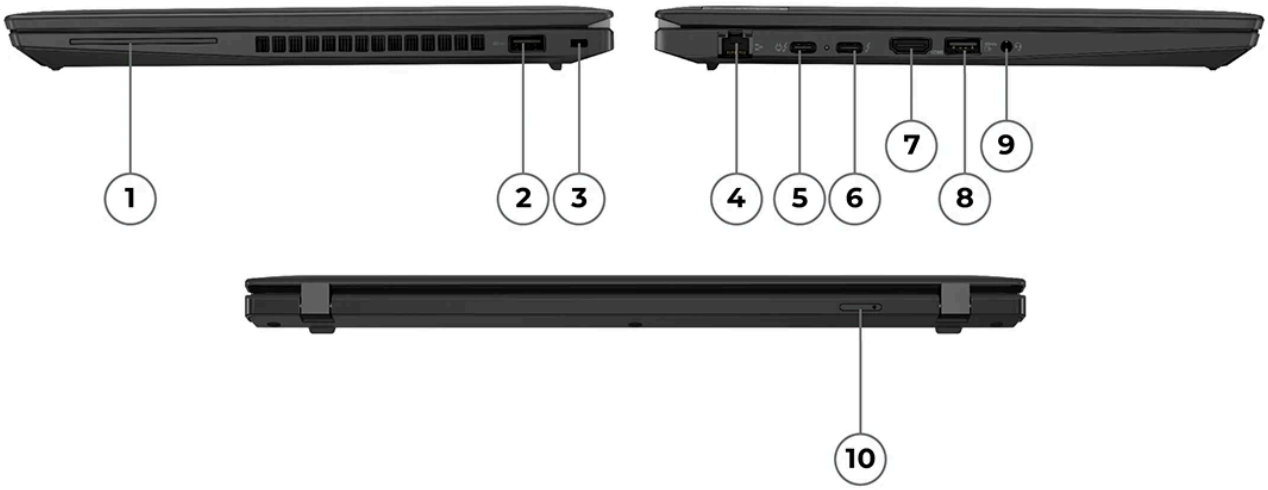
OVERVIEW



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[**][1]

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[**]

- Linux[1]
- Ubuntu Linux[2]
- Windows® 10 IoT Enterprise LTSC 2021
- Windows 11 DG Windows 10 Pro 64
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Pro
- No 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 Iris Xe Graphics[1]	Integrated	Shared	DirectX® 12.1
NVIDIA® GeForce MX550	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.

Monitor Support

Monitor Support[1]

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[1]

- Models with 16GB LPDDR5x: 16GB soldered memory, not upgradable
- Models with 32GB LPDDR5x: 32GB soldered memory, not upgradable
- 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

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)[2]
- LPDDR5x-4800 (models with discrete graphics)[3]

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.
[2] Installed DDR5 memory is actually 5600MHz but run at 5200MHz due to platform limitation.
[3] Installed LPDDR5x memory is actually 7500MHz but run at 4800MHz due to platform limitation.

Storage

Storage Support[1]

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[1]

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[2]

Notes:

[1] No microphone is for special bid only.

[2] No camera is for special bid only.

Battery

Battery**

- 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[1]

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] 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 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**[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[2]

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[1]	300nits	Anti-glare	16:10	700:1	45% NTSC	85°/85°/85°/85°	-
14″	WUXGA (1920x1200)	Multi-touch	IPS[2]	300nits	Anti-glare	16:10	700:1	45% NTSC	85°/85°/85°/85°	-
14″	WUXGA (1920x1200)	None	IPS[3]	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[4]	500nits	Anti-glare	16:10	1000:1	100% sRGB	85°/85°/85°/85°	ThinkPad® Privacy Guard
14″	2.2K (2240x1400)	None	IPS[5]	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	100000:1	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

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)[1]

317.7 x 226.9 x 17.9 mm (12.51 x 8.93 x 0.70 inches)

Weight[2]

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]

- Intel Wi-Fi® 6E AX211, 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)
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel EM05-G, 4G LTE CAT4, 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 see General Bluetooth Support Information on Microsoft.

Ports[1]

Standard Ports

- 1x Ethernet (RJ-45)
- 1x HDMI 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 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)

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)

Monitor Cable

Monitor Cable[***]

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to VGA Adapter
- Lenovo USB-C to DisplayPort Adapter
- No monitor cable

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[1]

- Smart card reader
- No smart card reader

Fingerprint Reader[2]

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

BIOS Security

- Power-on password
- Supervisor password
- System management password
- NVMe password
- FIDO (Fast Identity Online) authentication
- Certificate based BIOS authentication

Other Security

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello
- (Optional) Privacy Guard with Privacy Alert
- Glance by Mirametrix®
- Ultrasonic Human Presence Detection (IR camera models)
- (Optional) RFID reader[3]

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[1]
- Intel vPro Essentials[2]
- Non-vPro

Notes:

[1], [2] Intel vPro offers a superset of DASH's defined capabilities.

SERVICE

Warranty[1]

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

Notes:

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

ENVIRONMENTAL

Sustainability

Material

55% recycled aluminium on storm grey top cover
90% recycled magnesium on keyboard cover
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

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)

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).

ACCESSORIES

Bundled Accessories

Bundled Accessories

- Lenovo USB-C to Ethernet Adapter
- None

CERTIFICATIONS

Green Certifications[1]

Green Certifications

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

[2] EPEAT is registered where applicable, please see 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

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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