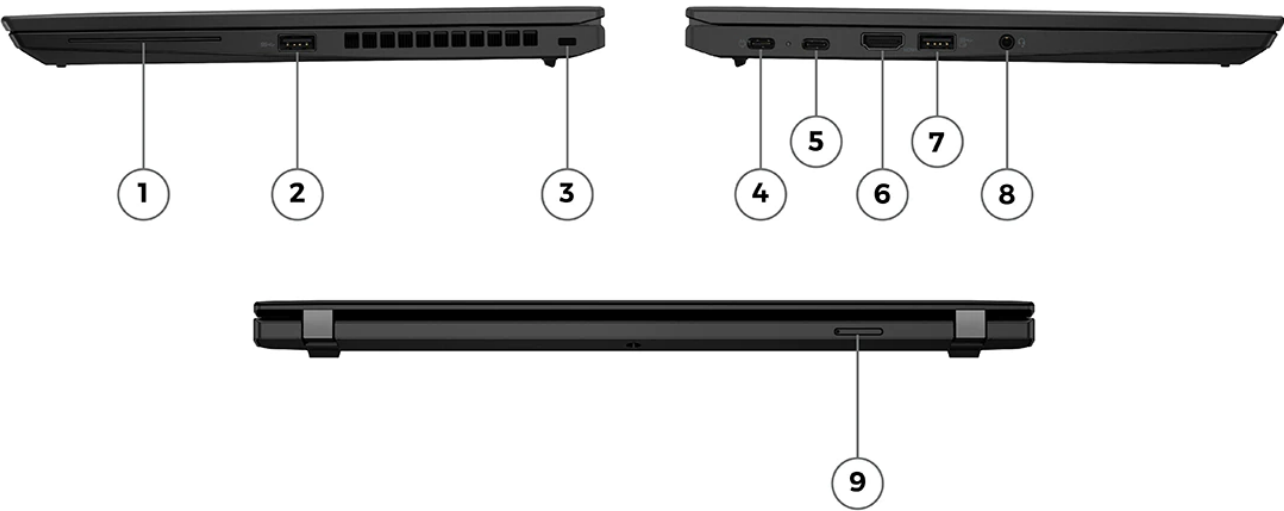


OVERVIEW



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. USB-C 3.2 Gen 2	

Notes:

- Ports 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	Memory Support	Processor Graphics
AMD Ryzen 5 PRO 6650U	6	12	2.9GHz	4.5GHz	3MB L2 / 16MB L3	LPDDR5-6400	AMD Radeon™ 660M Graphics
AMD Ryzen 7 PRO 6850U	8	16	2.7GHz	4.7GHz	4MB L2 / 16MB L3	LPDDR5-6400	AMD Radeon 680M Graphics

Operating System

Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 11 DG Windows 10 Pro 64
- Linux
- Ubuntu Linux
- No operating system

Graphics

Graphics**

Graphics	Type	Memory	Key Features
AMD Radeon 660M	Integrated	Shared	DirectX® 12
AMD Radeon 680M	Integrated	Shared	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 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^[1]

- 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

Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support^[1]

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

Storage Slot

One M.2 2280 PCIe® Gen 4x4 slot, supports M.2 2242/2280 SSD

Storage Type**

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe NVMe®, PCIe 4.0 x4	256GB / 512GB / 1TB	Opal2
M.2 2280 SSD	PCIe NVMe, PCIe 4.0 x4 Performance	512GB / 1TB / 2TB	Opal2

Notes:

1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

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 array microphone, 360° far-field, Dolby Voice
- No microphone

Camera**

- HD 720p, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- IR & FHD 1080p hybrid, with privacy shutter, fixed focus
- No camera

Battery

Battery**

- 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^[1]

Configuration 1 (max battery life)

MobileMark® 2018: up to 15.68 hr with 868 performance score @200nits

MobileMark 25: up to 13.7 hr with 531 performance score @250nits

JEITA 2.0: up to 20.28 hr @150nits

Local video playback: up to 17.3 hr @150nits

Alternate configuration 2

MobileMark 2018: up to 15.67 hr with 724 performance score @200nits

MobileMark 25: up to 14.47 hr with 669 performance score @250nits

JEITA 2.0: up to 21.58 hr @150nits

Local video playback: up to 18 hr @150nits

Alternate configuration 3

MobileMark 2018: up to 10.8 hr with 702 performance score @200nits

MobileMark 25: up to 9.36 hr with 542 performance score @250nits

JEITA 2.0: up to 13.66 hr @150nits

Local video playback: up to 12.3 hr @150nits

Notes:

1. Configuration 1 (max battery life): WQXGA (non-touch), AMD Ryzen 7 PRO 6850U, 16GB LPDDR5, Win 10, 54.7Wh battery, best power efficiency power mode
Alternate configuration 2: WUXGA (touch), AMD Ryzen 5 PRO 6650U, 16GB LPDDR5, Win 10, 54.7Wh battery, best power efficiency

power mode
Alternate configuration 3: WUXGA 300nits (non-touch), AMD Ryzen 5 PRO 6650U, 32GB LPDDR5, Win 10, 41Wh 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 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**[1][2]

- 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 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 (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter

Notes:

- AC adapter offerings depend on the country.
- No power adapter is for special bid only.

DESIGN

Display

Display**[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
13.3"	WUXGA (1920x1200)	None	IPS	300 nits	Anti-glare	16:10	1000:1	72% NTSC	170°	-
13.3"	WUXGA (1920x1200)	None	IPS	500 nits	Anti-glare	16:10	1000:1	72% NTSC	170°	ThinkPad® Privacy Guard
13.3"	WUXGA (1920x1200)	Multi-touch	IPS	300 nits	Anti-glare	16:10	1000:1	72% NTSC	170°	-
13.3"	WQXGA (2560x1600)	None	IPS	400 nits	Anti-glare	16:10	1200:1	100% sRGB	170°	Low power, TÜV Low Blue Light, Dolby Vision™

Touchscreen

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

Notes:

- California Electronic Waste Recycling Fee
In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product.
For more information, go to <https://www.calrecycle.ca.gov/Electronics/Consumer>

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^[1]

Dimensions (WxDxH)

Models	Dimensions
Models with CF /GF hybrid top cover	305.8 x 217.89 x 18.25 mm (12.04 x 8.58 x 0.72 inches)
Models with PPS top cover	305.8 x 217.56 x 18.10 mm (12.04 x 8.57 x 0.71 inches)
Models with aluminium top cover	305.8 x 218.39 x 18.10 mm (12.04 x 8.60 x 0.71 inches)

Weight

Models	Weight
Models with WQXGA display, 41Wh battery, and black PPS top cover	Around 1.21 kg (2.67 lbs)
Models with WQXGA display, 41Wh battery, and storm grey top cover	Around 1.28 kg (2.82 lbs)
Models with WQXGA display, 54.7Wh battery, and black PPS top cover	Around 1.26 kg (2.78 lbs)
Models with WQXGA display, 54.7Wh battery, and storm grey top cover	Around 1.34 kg (2.94 lbs)
Models with WUXGA display, 41Wh battery, and black carbon fiber top cover	Around 1.19 kg (2.62 lbs)
Models with WUXGA display, 41Wh battery, and black PPS top cover	Around 1.25 kg (2.77 lbs)
Models with WUXGA display, 41Wh battery, and storm grey top cover	Around 1.33 kg (2.93 lbs)
Models with WUXGA display, 54.7Wh battery, and black carbon fiber top cover	Around 1.26 kg (2.77 lbs)
Models with WUXGA display, 54.7Wh battery, and black PPS top cover	Around 1.31 kg (2.88 lbs)
Models with WUXGA display, 54.7Wh battery, and storm grey top cover	Around 1.38 kg (3.04 lbs)

Case Color**

- Storm grey
- Thunder black

Case Material**

- Thunder black models: carbon fiber hybrid or PPS (top), aluminium (bottom)
- Storm grey models: aluminium (top), aluminium (bottom)

Notes:

1. The system dimensions and weight vary depending on configurations.

CONNECTIVITY

Network

Onboard Ethernet^[1]

No Ethernet

WLAN + Bluetooth®**^[2]^[3]

- AMD RZ616, Wi-Fi® 6E, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.2
- Qualcomm® NFA-725A Wi-Fi 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2

WWAN**

- Wireless WAN upgradable to 4G (with antenna ready)
- Integrated Mobile Broadband 4G LTE, Quectel EM05-G, CAT4, M.2 card
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card
- Fibocom FM350-GL 5G NR module with embedded eSIM functionality, M.2 Card
- No support

SIM Card

- Gemalto eSIM
- No SIM card inbox

NFC

- Near Field Communication
- No support

Notes:

1. Ethernet support via optional Lenovo USB-C to Ethernet Adapter
2. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
3. Wi-Fi 6E full features might be limited by country level restrictions.
Wi-Fi 6E 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^[1]

Standard Ports

- 1x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
- 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 HDMI, 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;
USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 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 3 \(AMD\)](#)

Monitor Cable

Monitor Cable***

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

SECURITY & PRIVACY

Security

Security Chip

Discrete TPM 2.0, TCG certified, with Microsoft Pluton TPM 2.0 integrated in chipset

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 on power button, match-on-chip
- No fingerprint reader

BIOS Security

- Power-on password
- Supervisor password
- System management password
- NVMe password

- USB FIDO (Fast Identity Online) device integration
- Certificate based BIOS authentication

Other Security

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello
- (Optional) Human Presence Detection
- Mirametrix Glance

MANAGEABILITY

System Management

System Management

Non-DASH

SERVICE

Warranty

Base Warranty**^[1]

- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) depot service
- 3-year (1-yr battery) limited onsite service
- No base warranty

Notes:

1. More information of warranty policy, please access <https://pcsupport.lenovo.com/warranty>

ENVIRONMENTAL

Sustainability

Material

97% PCC recycled plastic used in speaker enclosure
25% PCC recycled plastic used in the 54.7Wh battery
95% PCC recycled plastic used in standard 65W adapter
Low-temperature solder
90% recycled and/or sustainable packaging

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

Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- ErP Lot 3
- TCO Certified 9.0
- RoHS compliant

Other Certifications

Mil-Spec Test

MIL-STD-810H military test passed

Other Certifications

(Optional) TÜV Rheinland® Low Blue Light

- 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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