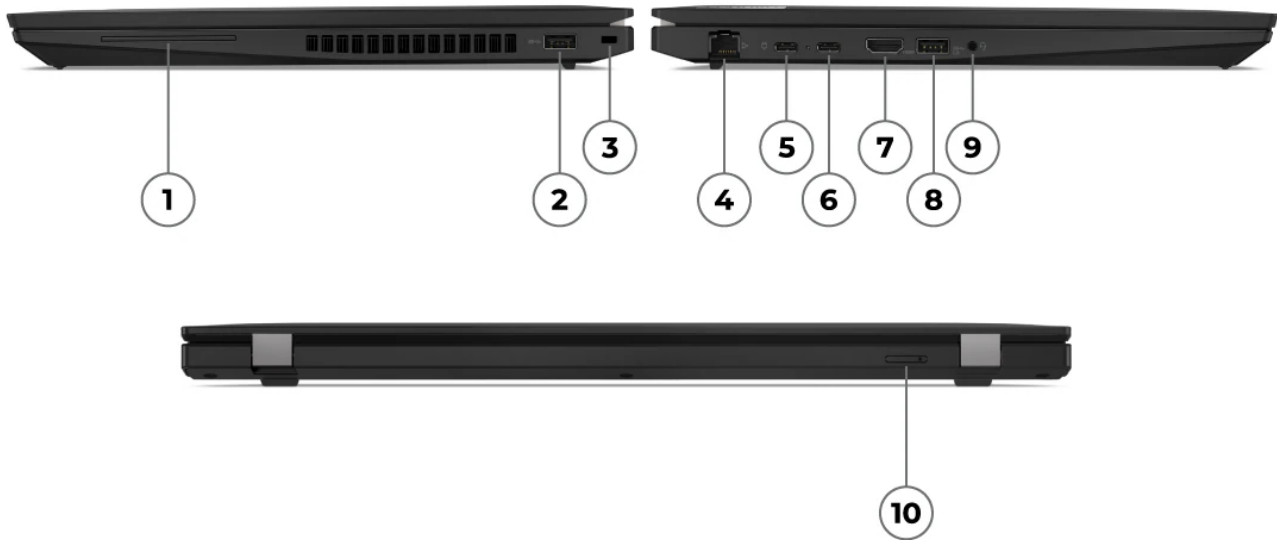


OVERVIEW



| | | | |
|----|-------------------------------|-----|--|
| 1. | Smart card reader * | 6. | USB-C 3.2 Gen 2USB-C 3.2 Gen 2 |
| 2. | USB 3.2 Gen 1 | 7. | HDMIHDMI |
| 3. | Kensington Nano Security Slot | 8. | USB 3.2 Gen 1 (Always On)USB 3.2 Gen 1 (Always On) |
| 4. | Ethernet (RJ-45) | 9. | Headphone / microphone combo jack (3.5mm)Headphone / microphone combo jack (3.5mm) |
| 5. | USB4 40Gbps | 10. | Nano-SIM card slot *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 |
|------------------------|-------|---------|----------------|---------------|------------------|--------------------|
| 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
- Linux^[1]
- Ubuntu Linux^[2]
- 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)^[1]

Notes:

[1] Installed memory is actually LPDDR5x-7500 but run as LPDDR5x-6400 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 52.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr)
- Integrated Li-Polymer 86Wh battery

Battery Life^[1]

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] 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**[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
- 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 |
|------|--------------------|-------------|--------|------------|------------------------------|--------------|----------------|-------------|-------------------------|--|
| 16" | WUXGA (1920x1200) | None | IPS[1] | 300nits | Anti-glare | 16:10 | 800:1 | 45% NTSC | 85°/85°/85°/85° | - |
| 16" | WUXGA (1920x1200) | Multi-touch | IPS[2] | 300nits | Anti-glare | 16:10 | 800:1 | 45% NTSC | 85°/85°/85°/85° | - |
| 16" | WUXGA (1920x1200) | None | IPS[3] | 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[4] | 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

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)^[1]

361.9 x 255.5 x 20.5 mm (14.25 x 10.06 x 0.81 inches)

Weight^[2]

| 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®**^[1]

- 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:

[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 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:

[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® 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
- No smart card reader

Fingerprint Reader^[1]

- 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
- Self-healing BIOS

Other Security

- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Camera privacy shutter
- (Optional) Privacy Guard with Privacy Alert
- Glance by Mirametrix®
- Ultrasonic Human Presence Detection (IR camera models)

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^[1]

Notes:

[1] No base warranty is for special bid only.

ENVIRONMENTAL

Sustainability

Material

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

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).

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
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® T16 Gen 2 \(AMD\)](#).

CERTIFICATIONS

Green Certifications[1]

Green Certifications[2]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered[3]
- 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™ registration and ENERGY STAR® certification are dependent on system OS. Please visit [epeat.net](#) and [energystar.gov](#) for more information.

[3] EPEAT™ is registered where applicable, please see [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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