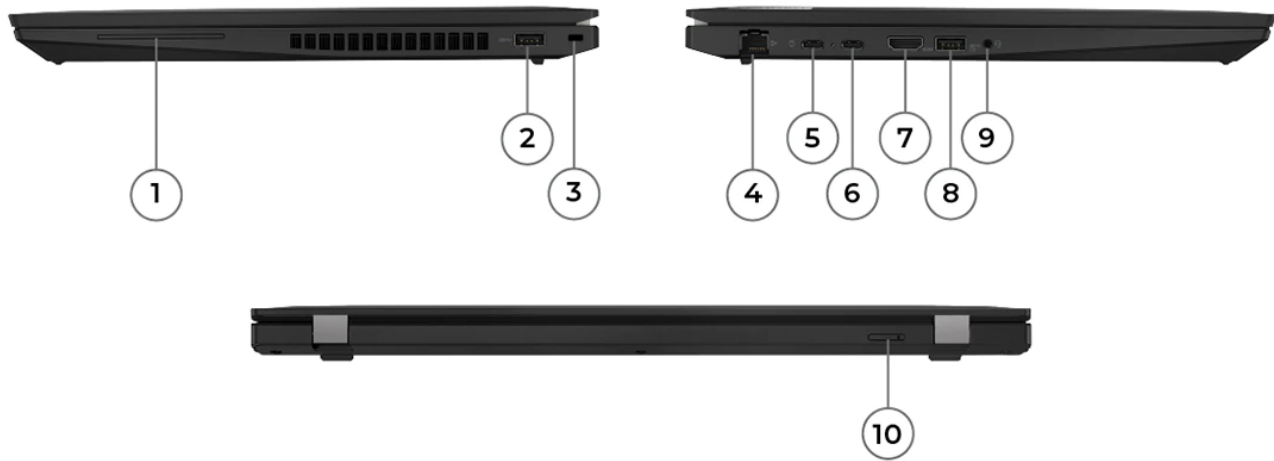


OVERVIEW



|                                  |                                              |
|----------------------------------|----------------------------------------------|
| 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. USB-C 3.2 Gen 2               | 10. Nano-SIM card slot *                     |

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<sup>[1]</sup>

- 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<sup>[1]</sup>

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<sup>[1]</sup>

- Dual array microphone, 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

Notes:

1. No microphone 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<sup>[1]</sup>

Configuration 1 (max battery life)

MobileMark® 2018: up to 24.4 hr with 629 performance score @200nits

MobileMark 25: up to 23.2 hr with 532 performance score @250nits

JEITA 2.0: up to 35.0 hr @150nits

Local video playback: up to 29.7 hr @150nits

Alternate configuration 2

MobileMark 2018: up to 11.1 hr with 795 performance score @200nits

MobileMark 25: up to 11.4 hr with 535 performance score @250nits

JEITA 2.0: up to 18.3 hr @150nits

Local video playback: up to 16.2 hr @150nits

Alternate configuration 3

MobileMark 2018: up to 12.1 hr with 687 performance score @200nits

MobileMark 25: up to 11.3 hr with 542 performance score @250nits

JEITA 2.0: up to 15.5 hr @150nits

Local video playback: up to 14.0 hr @150nits

Notes:

1. Configuration 1 (max battery life): WUXGA Low Power (non-touch), AMD Ryzen 7 PRO 6850U, 16GB LPDDR5, Win 10, 86Wh battery, best power efficiency power mode  
Alternate configuration 2: WUXGA (touch), AMD Ryzen 5 PRO 6650U, 16GB LPDDR5, Win 10, 52.5Wh battery, best power efficiency power mode  
Alternate configuration 3: WQXGA (non-touch), AMD Ryzen 5 PRO 6650U, 32GB LPDDR5, Win 10, 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 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]

- 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

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                                 |
|-------|-------------------|-------------|------|------------|------------|--------------|----------------|-------------|---------------|----------------------------------------------|
| 16.0" | WUXGA (1920x1200) | None        | IPS  | 300 nits   | Anti-glare | 16:10        | 800:1          | 45% NTSC    | 170°          | -                                            |
| 16.0" | WUXGA (1920x1200) | None        | IPS  | 400 nits   | Anti-glare | 16:10        | 1000:1         | 100% sRGB   | 170°          | Low power, Eyesafe® Certified                |
| 16.0" | WUXGA (1920x1200) | Multi-Touch | IPS  | 300 nits   | Anti-glare | 16:10        | 800:1          | 45% NTSC    | 170°          | -                                            |
| 16.0" | WUXGA (1920x1200) | Multi-touch | IPS  | 500 nits   | Anti-glare | 16:10        | 1000:1         | 100% sRGB   | 170°          | ThinkPad® Privacy Guard                      |
| 16.0" | WQXGA (2560x1600) | None        | IPS  | 400 nits   | Anti-glare | 16:10        | 1200:1         | 100% sRGB   | 170°          | Dolby Vision™, TÜV Rheinland® Low Blue Light |

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, 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<sup>[1]</sup>

Dimensions (WxDxH)

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

Weight

| Models               | Weight                         |
|----------------------|--------------------------------|
| Storm grey models    | Starting at 1.68 kg (3.70 lbs) |
| Thunder black models | Starting at 1.65 kg (3.64 lbs) |

Case Color\*\*

- Storm grey
- Thunder black

Case Material\*\*

- Thunder black models: PC 50% GF + PC 20% CF (top), PPS (bottom)
- Storm grey models: aluminium (top), PPS (bottom)

Notes:

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

CONNECTIVITY

Network

Onboard Ethernet\*\*

- Gigabit Ethernet, Realtek RTL8111HN (non-DASH models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Realtek RTL8111EPV (DASH models), 1x RJ-45, supports Wake-on-LAN

WLAN + Bluetooth®\*\*<sup>[1][2]</sup>

- 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)
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card
- Quectel EM05-G, 4G LTE CAT4, M.2 card
- No support

SIM Card

- Gemalto eSIM
- No SIM card inbox

NFC

- Near Field Communication
- No support

Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

2. 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<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™ 1.4a)
- 1x HDMI, up to 4K/60Hz

- 1x Ethernet (RJ-45)
- 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 T16 Gen 1 \(AMD\)](#)

## 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 SoC

### Physical Locks

Kensington® Nano Security Slot, 2.5 x 6 mm

### Smart Card Reader

- Smart card reader
- No smart card reader

### Fingerprint Reader<sup>[1]</sup>

- 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
- Self-healing BIOS

### Other Security

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello
- (Optional) Privacy Guard with Privacy Alert
- Mirametrix Glance

### Notes:

1. Fingerprint reader is standard on storm grey models and optional on thunder black models.

## MANAGEABILITY

## System Management

### System Management

- DASH
- Non-DASH

## SERVICE

### Warranty

#### Base Warranty\*\*<sup>[1][2]</sup>

- 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>
2. No base warranty is for special bid only.

## ENVIRONMENTAL

### Sustainability

#### Material

97% PCC recycled plastic used in speaker enclosure  
97% PCC recycled plastic used in the 52.5Wh battery  
25-30% in the 86Wh  
95% PCC recycled plastic used in standard 65W adapter  
Low-temperature solder  
90% recycled and/or sustainable packaging

### 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)

#### 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) Eyesafe Certified
- (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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