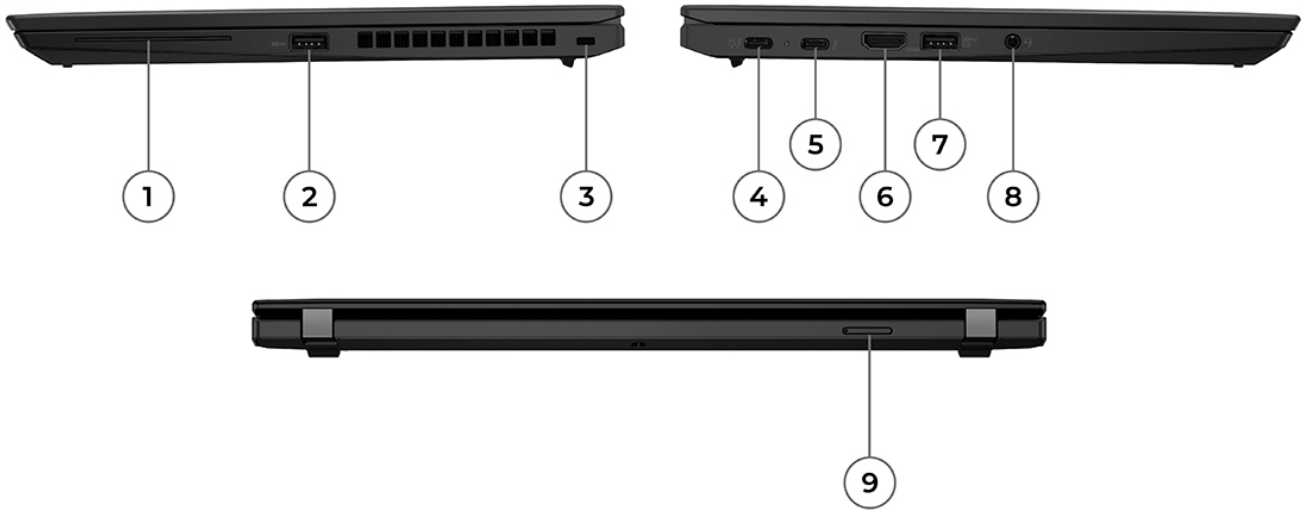


## OVERVIEW



|                             |  |
|-----------------------------|--|
| 1. Smart card reader *      | 6. HDMI                                      |
| 2. USB 3.2 Gen 1            | 7. USB 3.2 Gen 1 (Always On)                 |
| 3. Kensington Security Slot | 8. Headphone / microphone combo jack (3.5mm) |
| 4. Thunderbolt 4            | 9. Nano-SIM card slot *                      |
| 5. Thunderbolt 4            |  |

Notes:

- Ports with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

12th Generation Intel® Core™ i3 / i5 / i7 Processor

#### Processor\*\*<sup>[1]</sup>

| Processor Name | Cores                    | Threads | Base Frequency                | Max Frequency                 | Cache | Memory Support | Processor Graphics      |
|----------------|--------------------------|---------|-------------------------------|-------------------------------|-------|----------------|-------------------------|
| Core i3-1215U  | 6 (2 P-core + 4 E-core)  | 8       | P-core 1.2GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 10MB  | LPDDR5-5200    | Intel UHD Graphics      |
| Core i5-1235U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.3GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 12MB  | LPDDR5-5200    | Intel Iris® Xe Graphics |
| Core i5-1245U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.6GHz / E-core 1.2GHz | P-core 4.4GHz / E-core 3.3GHz | 12MB  | LPDDR5-5200    | Intel Iris Xe Graphics  |
| Core i5-1240P  | 12 (4 P-core + 8 E-core) | 16      | P-core 1.7GHz / E-core 1.2GHz | P-core 4.4GHz / E-core 3.3GHz | 12MB  | LPDDR5-5200    | Intel Iris Xe Graphics  |
| Core i5-1250P  | 12 (4 P-core + 8 E-core) | 16      | P-core 1.7GHz / E-core 1.2GHz | P-core 4.4GHz / E-core 3.3GHz | 12MB  | LPDDR5-5200    | Intel Iris Xe Graphics  |
| Core i7-1260P  | 12 (4 P-core + 8 E-core) | 16      | P-core 2.1GHz / E-core 1.5GHz | P-core 4.7GHz / E-core 3.4GHz | 18MB  | LPDDR5-5200    | Intel Iris Xe Graphics  |
| Core i7-1270P  | 12 (4 P-core + 8 E-core) | 16      | P-core 2.2GHz / E-core 1.6GHz | P-core 4.8GHz / E-core 3.5GHz | 18MB  | LPDDR5-5200    | Intel Iris Xe Graphics  |
| Core i7-1280P  | 14 (6 P-core + 8 E-core) | 20      | P-core 1.8GHz / E-core 1.3GHz | P-core 4.8GHz / E-core 3.6GHz | 24MB  | LPDDR5-5200    | Intel Iris Xe Graphics  |

#### Notes:

- i3-1215U, i7-1255U, i7-1265U and i7-1280P are NOT available in EMEA.

### 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 |
|------------------------|------------|--------|--------------|
| Intel UHD Graphics     | Integrated | Shared | DirectX® 12  |
| Intel Iris Xe Graphics | Integrated | Shared | DirectX 12   |

### Monitor Support

#### Monitor Support<sup>[1]</sup>

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:

- Refresh rates >60hz also supported, however max resolution will be limited.

### Chipset

#### Chipset

# ThinkPad X13 Gen 3 (Intel)

Intel SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1][2]</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<sup>[3]</sup>

LPDDR5-4800

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.
2. In EMEA, 32GB memory is only available for i7 models.
3. Installed memory is actually 6400MHz but run at 4800MHz due to platform limitation

## 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<sup>\*\*[2]</sup>

| 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.
2. 2TB SSD is special bid only in EMEA.

## 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, far-field, Dolby Voice
- No microphone

### Camera<sup>\*\*</sup>

- 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<sup>\*\*</sup>

- 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<sup>[1]</sup>**

Configuration 1 (max battery life)

MobileMark® 2018: up to 11.8 hr with 872 performance score @200nits

MobileMark 25: up to 9.7 hr with 618 performance score @250nits

JEITA 2.0: up to 19.8 hr @150nits

Local video playback: up to 15.7 hr @150nits

Alternate configuration 2

MobileMark 2018: up to 11.3 hr with 982 performance score @200nits

MobileMark 25: up to 9.7 hr with 791 performance score @250nits

JEITA 2.0: up to 19.5 hr @150nits

Local video playback: up to 15.2 hr @150nits

Alternate configuration 3

MobileMark 2018: up to 8.4 hr with 1243 performance score @200nits

MobileMark 25: up to 5.9 hr with 711 performance score @250nits

JEITA 2.0: up to 14.1 hr @150nits

Local video playback: up to 14 hr @150nits

**Notes:**

- Configuration 1 (max battery life): WUXGA (non-touch), Intel i5-1240P, 8GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode  
Alternate configuration 2: WUXGA (touch), Intel i5-1245U, 16GB LPDDR5, Win 11, 54.7Wh battery, best power efficiency power mode  
Alternate configuration 3: WQXGA, Intel i7-1280U, 32GB LPDDR5, Win 11, 54.7Wh 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\*\*<sup>[1][2]</sup>**

- 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

**Notes:**

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

**DESIGN****Display****Display\*\*<sup>[1]</sup>**

| 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             | None        | IPS  | 400 nits   | Anti-      | 16:10        | 1200:1         | 100%        | 170°          | Low power, TÜV          |

|             |  |  |  |       |  |  |      |  |                                  |
|-------------|--|--|--|-------|--|--|------|--|----------------------------------|
| (2560x1600) |  |  |  | glare |  |  | sRGB |  | Low Blue Light,<br>Dolby Vision™ |
|-------------|--|--|--|-------|--|--|------|--|----------------------------------|

### Touchscreen

- Capacitive-type on-cell multi-touch, supports 10-point touch
- Non-touch

### Notes:

1. 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<sup>[1]</sup>

- 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)

### Notes:

1. Storm grey cover is ONLY available with backlit keyboard.

## Mechanical<sup>[1]</sup>

### 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 WUXGA display, 41Wh battery, and storm grey top cover           | Around 1.28 kg (2.83 lbs) |
| Models with WQXGA display, 41Wh battery, and black PPS top cover            | Around 1.23 kg (2.71 lbs) |
| Models with WUXGA display, 54.7Wh battery, and storm grey top cover         | Around 1.32 kg (2.91 lbs) |
| Models with WUXGA display, 54.7Wh battery, and black carbon fiber top cover | Around 1.24 kg (2.74 lbs) |
| Models with WUXGA display, 54.7Wh battery, and black PPS top cover          | Around 1.29 kg (2.85 lbs) |
| Models with WUXGA display, 41Wh battery, and black carbon fiber top cover   | Around 1.20 kg (2.65 lbs) |
| Models with WQXGA display, 54.7Wh battery, and black PPS top cover          | Around 1.26 kg (2.78 lbs) |
| Models with WUXGA display, 41Wh battery, and black PPS top cover            | Around 1.25 kg (2.77 lbs) |

### Case Color<sup>\*\*[2]</sup>

- Storm grey
- Thunder black

### Case Material<sup>\*\*</sup>

- 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.
2. Storm grey case is NOT available in EMEA.

## CONNECTIVITY

## Network

### Onboard Ethernet<sup>[1]</sup>

No Ethernet

### WLAN + Bluetooth<sup>[2][3]</sup>

Intel Wi-Fi® 6E AX211, 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
- Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, 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<sup>[1]</sup>

### Standard Ports

- 2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 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 Thunderbolt / USB-C.

For more compatible docking solutions, please visit [Docking for ThinkPad X13 Gen 3 \(Intel\)](#)

## 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

### 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
- Firmware Resiliency 3.0

### Other Security

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello
- (Optional) Privacy Guard with Privacy Alert
- (Optional) Human Presence Detection
- Mirametrix Glance
- Tile ready

## MANAGEABILITY

### System Management

#### System Management\*\*<sup>[1]</sup>

- Intel vPro Enterprise
- Intel vPro Essentials
- Non-vPro

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Notes:

1. Intel vPro offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

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

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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<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) Intel Evo™ Platform
- (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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