

OVERVIEW



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

Notes:

- Ports with * are only available on selected models

PERFORMANCE

Processor

Processor Family

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

Processor**^[1]

| 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 | DDR4-3200 | 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 | DDR4-3200 | 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 | DDR4-3200 | Intel Iris Xe Graphics |
| Core i7-1255U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.7GHz / E-core 1.2GHz | P-core 4.7GHz / E-core 3.5GHz | 12MB | DDR4-3200 | Intel Iris Xe Graphics |
| Core i7-1265U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.8GHz / E-core 1.3GHz | P-core 4.8GHz / E-core 3.6GHz | 12MB | DDR4-3200 | Intel Iris Xe Graphics |

Notes:

- i3-1215U, i5-1235U, and i7-1255U are NOT available in EMEA.

Operating System

Operating System**

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

Graphics

Graphics**

| Graphics | Type | Memory | TGP | Key Features |
|------------------------|------------|--------|---------------|--------------|
| Intel UHD Graphics | Integrated | Shared | Share CPU TDP | DirectX® 12 |
| Intel Iris Xe Graphics | Integrated | Shared | Share CPU TDP | DirectX 12 |

Monitor Support

Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI supports up to 3840x2160@60Hz
- USB-C supports up to 5120x3200@60Hz
- Thunderbolt supports up to 5120x3200@60Hz

Chipset

Chipset

Intel 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

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Memory Type

DDR4-3200

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 1TB M.2 2242 SSD

Storage Slot

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

Storage Type

| Disk Type | Interface | Offering | Security |
|--------------|-------------------------|---------------------|----------|
| M.2 2242 SSD | PCIe NVMe®, PCIe 4.0 x4 | 256GB / 512GB / 1TB | 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

Optical

None

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

Camera**

- HD 720p, with privacy shutter, fixed focus
- IR & FHD 1080p hybrid, with privacy shutter, fixed focus

Battery

Battery

Integrated Li-Polymer 46Wh 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 8.9 hr with 629 performance score @200nits

JEITA 2.0: up to 14.3 hr @150nits

Local video playback: up to 11.9 hr @150nits

Alternate configuration 2

MobileMark 2018: up to 8.7 hr with 622 performance score @200nits

JEITA 2.0: up to 13.7 hr @150nits

Local video playback: up to 11.2 hr @150nits

Alternate configuration 3

MobileMark 2018: up to 8.2 hr with 704 performance score @200nits

JEITA 2.0: up to 13.0 hr @150nits

Local video playback: up to 11.0 hr @150nits

Notes:

- Configuration 1 (max battery life): WUXGA (non-touch), Intel i3-1215U, 8GB DDR4, Win 11, 46Wh battery, best power efficiency power mode
Alternate configuration 2: WUXGA (non-touch), Intel i5-1245U, 16GB DDR4, Win 11, 46Wh battery, best power efficiency power mode
Alternate configuration 3: WUXGA (non-touch), Intel i7-1265U, 32GB DDR4, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark 2018](#), [MobileMark 2025](#), 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 (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
45W USB-C AC adapter and 65W USB-C slim AC adapter are NOT available in EMEA

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 | 800:1 | 45% NTSC | 170° | - |
| 13.3" | WUXGA (1920x1200) | None | IPS | 300 nits | Anti-glare | 16:10 | 1000:1 | 100% sRGB | 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° | - |

Touchscreen

- Capacitive-type on-cell multi-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™

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TrackPoint® pointing device and glass-like Mylar® surface multi-touch touchpad, 56 x 115 mm (2.24 x 4.53 inches)

Mechanical^[1]

Dimensions (WxDxH)

305 x 218 x 17.3 mm (12.0 x 8.58 x 0.68 inches)

Weight

Starting at 1.26 kg (2.78 lbs)

Case Color^{**[2]}

- Storm grey
- Thunder black

Case Material

Aluminium (top), GFRP (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^[1]

No Ethernet

WLAN + Bluetooth^{®**[2][3]}

- Intel Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2
- Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 Card

WWAN^{**[4]}

- 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
- No support

SIM Card

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. 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.
Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.
4. Fibocom L860-GL CAT16 is special bid only in EMEA.

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™ 1.4)
- 1x Thunderbolt 4 / USB 4 40Gbps (support data transfer, Power Delivery 3.0, and DisplayPort 1.4)
- 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)

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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 or USB-C.

For more compatible docking solutions, please visit [Docking for ThinkPad L13 Gen 3 \(Intel\)](#)

Monitor Cable

Monitor Cable***

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to DisplayPort Adapter
- Lenovo USB-C to HDMI 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
- NVMe password
- Self-healing BIOS

Other Security

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

MANAGEABILITY

System Management

System Management^[1]

- Intel vPro Enterprise
- Non-vPro

Notes:

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

SERVICE

Warranty

Base Warranty**^[1]

- 1-year depot service
- 1-year limited onsite service
- 3-year (1-yr battery) depot service
- 3-year (1-yr battery) limited onsite service

Notes:

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

ENVIRONMENTAL

Sustainability

Material

- 50% PCC recycled plastic used in speaker enclosure
- 30% PCC recycled plastic used in the battery
- 95% PCC recycled plastic used in standard 65W adaptor
- Low-temperature solder
- 90% recycled and/or sustainable packaging

Operating Environment

Temperature^{[1][2]}

- 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).
2. 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 USB-C Cable 2m
- Lenovo USB-C to Ethernet Adapter
- Lenovo USB-C to USB-A 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 in progress

- 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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