OVERVIEW

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

Notes:
* Items with * are only available on selected models
PERFORMANCE

Processor

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

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core™ i5-1235U</td>
<td>10 (2 P-core + 8 E-core)</td>
<td>12</td>
<td>P-core 1.3GHz / E-core 0.9GHz</td>
<td>P-core 4.4GHz / E-core 3.3GHz</td>
<td>12MB</td>
<td>Intel® Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core™ i5-1245U</td>
<td>10 (2 P-core + 8 E-core)</td>
<td>12</td>
<td>P-core 1.6GHz / E-core 1.2GHz</td>
<td>P-core 4.4GHz / E-core 3.3GHz</td>
<td>12MB</td>
<td>Intel® Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core™ i7-1255U</td>
<td>10 (2 P-core + 8 E-core)</td>
<td>12</td>
<td>P-core 1.7GHz / E-core 1.2GHz</td>
<td>P-core 4.7GHz / E-core 3.5GHz</td>
<td>12MB</td>
<td>Intel® Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core™ i7-1265U</td>
<td>10 (2 P-core + 8 E-core)</td>
<td>12</td>
<td>P-core 1.8GHz / E-core 1.3GHz</td>
<td>P-core 4.8GHz / E-core 3.6GHz</td>
<td>12MB</td>
<td>Intel® Iris® Xe Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System**
- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 Home Single Language
- Windows® 10 Pro 64
- Ubuntu Linux[1]
- 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

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel® Iris® Xe Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX® 12.1</td>
</tr>
</tbody>
</table>

Monitor Support

Monitor Support[1]
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:
[1] Refresh rates >60hz also supported, however max resolution will be limited.

Chipset

Chipset
Intel® SoC (System on Chip) platform

Memory

Max Memory
- 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**
LPDDR4x-4266

**Storage**

**Storage Support**
One drive, up to 2TB M.2 2280 SSD

**Storage Slot**
One M.2 2280 PCIe® 4.0 x4 slot

**Storage Type**

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>Offering</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe® NVMe®, PCIe® 4.0 x4 Performance</td>
<td>512GB / 1TB / 2TB</td>
<td>Opal 2.0</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe® NVMe®, PCIe® x4</td>
<td>256GB / 512GB / 1TB</td>
<td>Opal 2.0</td>
</tr>
</tbody>
</table>

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

[2] PCIe® x4 may be PCIe® 3.0x4 or PCIe® 4.0x4 as substitution.

**Removable Storage**

**Card Reader**
No card reader

**Multi-Media**

**Audio Chip**
High Definition (HD) Audio, Realtek® ALC3306 codec

**Speakers**
Stereo speakers, 2W x2, Dolby Audio™

**Microphone**
Dual-microphone array, far-field, Dolby Voice®

**Camera**
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus

**Battery**

**Battery**
Integrated Li-Polymer 52.8Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Battery Life**

Table 1

<table>
<thead>
<tr>
<th>Configuration</th>
<th>MobileMark® 2018</th>
<th>MobileMark® 25</th>
<th>JEITA 2.0</th>
<th>Local video playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>up to 12.63 hr</td>
<td>up to 11.48 hr</td>
<td>up to 19.11 hr</td>
<td>up to 17.66 hr</td>
</tr>
<tr>
<td></td>
<td>with 862 score</td>
<td>with 667 score</td>
<td>@200nits</td>
<td>@150nits</td>
</tr>
<tr>
<td>2</td>
<td>up to 10.83 hr</td>
<td>up to 10.3 hr</td>
<td>up to 18.23 hr</td>
<td>up to 15.7 hr</td>
</tr>
<tr>
<td></td>
<td>with 721 score</td>
<td>with 756 score</td>
<td>@250nits</td>
<td>@150nits</td>
</tr>
<tr>
<td>3</td>
<td>up to 11.63 hr</td>
<td>up to 10.3 hr</td>
<td>up to 17.95 hr</td>
<td>up to 15.6 hr</td>
</tr>
<tr>
<td></td>
<td>with 836 score</td>
<td>with 756 score</td>
<td>@200nits</td>
<td>@150nits</td>
</tr>
</tbody>
</table>

Alternate configuration 2

<table>
<thead>
<tr>
<th>Configuration</th>
<th>MobileMark® 2018</th>
<th>MobileMark® 25</th>
<th>JEITA 2.0</th>
<th>Local video playback</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>up to 12.1 hr</td>
<td>up to 10.83 hr</td>
<td>up to 18.23 hr</td>
<td>up to 15.7 hr</td>
</tr>
<tr>
<td></td>
<td>with 842 score</td>
<td>with 721 score</td>
<td>@250nits</td>
<td>@150nits</td>
</tr>
</tbody>
</table>

Alternate configuration 3

<table>
<thead>
<tr>
<th>Configuration</th>
<th>MobileMark® 2018</th>
<th>MobileMark® 25</th>
<th>JEITA 2.0</th>
<th>Local video playback</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>up to 11.63 hr</td>
<td>up to 10.3 hr</td>
<td>up to 17.95 hr</td>
<td>up to 15.6 hr</td>
</tr>
<tr>
<td></td>
<td>with 836 score</td>
<td>with 756 score</td>
<td>@200nits</td>
<td>@150nits</td>
</tr>
</tbody>
</table>

Notes:
**Configuration 1 (max battery life):** WQXGA (touch), Intel® i5-1235U, 8GB LPDDR4x, Win 11, 52.8Wh battery, best power efficiency power mode

**Alternate configuration 2:** WUXGA AR/AS (touch), Intel® i5-1245U, 16GB LPDDR4x, Win 11, 52.8Wh battery, best power efficiency power mode

**Alternate configuration 3:** WUXGA AR/AS (touch), Intel® i7-1265U, 32GB LPDDR4x, Win 11, 52.8Wh 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 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

<table>
<thead>
<tr>
<th>Power Adapter**[1]</th>
<th>45W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>45W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz</td>
</tr>
<tr>
<td></td>
<td>65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz</td>
</tr>
<tr>
<td></td>
<td>65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz</td>
</tr>
<tr>
<td></td>
<td>65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz</td>
</tr>
<tr>
<td></td>
<td>65W USB-C® slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz</td>
</tr>
</tbody>
</table>

**Notes:**


### DESIGN

### Display

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch</th>
<th>Type</th>
<th>Brightness</th>
<th>Surface</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle (L/R/U/D)</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.3&quot;</td>
<td>WUXGA (1920x1200)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>300nits</td>
<td>Anti-glare, anti-smudge</td>
<td>16:10</td>
<td>1000:1</td>
<td>100% sRGB</td>
<td>85°/85°/85°/85°</td>
<td></td>
</tr>
<tr>
<td>13.3&quot;</td>
<td>WUXGA (1920x1200)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>300nits</td>
<td>Anti-reflection, anti-smudge</td>
<td>16:10</td>
<td>1000:1</td>
<td>100% sRGB</td>
<td>85°/85°/85°/85°</td>
<td></td>
</tr>
<tr>
<td>13.3&quot;</td>
<td>WUXGA (1920x1200)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>500nits</td>
<td>Anti-glare, anti-smudge</td>
<td>16:10</td>
<td>1000:1</td>
<td>100% sRGB</td>
<td>85°/85°/85°/85°</td>
<td>ThinkPad® Privacy Guard</td>
</tr>
<tr>
<td>13.3&quot;</td>
<td>WQXGA (2560x1600)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>400nits</td>
<td>Anti-reflection, anti-smudge</td>
<td>16:10</td>
<td>1200:1</td>
<td>100% sRGB</td>
<td>85°/85°/85°/85°</td>
<td>Low power, Dolby Vision®, TÜV Low Blue Light (Hardware Solution)</td>
</tr>
</tbody>
</table>

**Notes:**

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Multi-mode

**Multi-mode**

Laptop, tent, stand, and tablet modes supported by 360° hinge
**Input Device**

**Pen**
- Lenovo® Integrated Pen, with built-in rechargeable battery, 4096 levels of pressure sensitivity, on-board garaged and rechargeable
- No pen (with a pen garage ready, purchase separately)[1]

**Keyboard**
- 6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**
- LED backlight

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

Notes:

[1] No pen inbox is only for special bid models.

**Mechanical**

**Dimensions (WxDxH)[1]**
- 305 x 214.15 x 15.9 mm (12.0 x 8.43 x 0.63 inches)

**Weight[2]**
- Starting at 1.19 kg (2.62 lbs)

**Case Color**
- Thunder black

**Case Material**
- Carbon fiber hybrid (top), carbon fiber hybrid (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**
- No onboard Ethernet[1]

**WLAN + Bluetooth®[2]**
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1 (Bluetooth® 5.2 hardware ready)[3]

**WWAN**
- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM05-G, 4G LTE CAT4, M.2 card
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card
- No support

**SIM Card**
- Gemalto eSIM card (physical)
- No physical SIM card inbox

**NFC**
- Near Field Communication
- No support

Notes:

[1] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.
[2] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system.
driver, etc.

[3] 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.

**Ports**

**Standard Ports**
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)
- 1x HDMI® 2.1, 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;
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**

Various docking solutions supported via Thunderbolt™ / USB-C®.
For more compatible docking solutions, please visit [Docking for ThinkPad® X13 Yoga® Gen 3](https://www.lenovo.com)

**SECURITY & PRIVACY**

**Security**

**Security Chip**
Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**
Kensington® Nano Security Slot™, 2.5 x 6 mm

**Smart Card Reader**
- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

**Fingerprint Reader**
- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

**BIOS Security**
- Certificate based BIOS authentication
- FIDO (Fast Identity Online) authentication
- NVMe® password
- Power-on password
- Self-healing BIOS
- Supervisor password
- System management password

**Other Security**
- (Optional) IR camera for Windows® Hello (facial recognition)
- Camera privacy shutter
- Glance by Mirametrix®
• Tile ready
• Privacy Guard with Privacy Alert (models with ThinkPad® Privacy Guard display)

**MANAGEABILITY**

**System Management**

- Intel® vPro® Enterprise
- Non-vPro®

Notes:
[1] Intel® vPro® offers a superset of DASH’s defined capabilities.

**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

**ACCESSORIES**

**Bundled Accessories**

- 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® X13 Yoga® Gen 3.

**OPERATING REQUIREMENTS**

**Operating Environment**

Temperature
- 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).

**ENVIRONMENTAL**
Sustainability

Material
30% PCC recycled plastic used in speaker enclosure
25% PCC recycled plastic used in the 57Wh battery frame
95% PCC recycled plastic used in standard 65W adapter
Low-temperature solder
90% recycled and/or sustainable packaging

CERTIFICATIONS

Green Certifications

Green Certifications
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 3
- 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. For ESG & regulatory compliance documents, please visit https://compliance.lenovo.com.
[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 visit epeat.net for registration status by country.

Other Certifications

Mil-Spec Test
MIL-STD-810H military test passed

Other Certifications
- (Optional) Intel® Evo™ Platform
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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