# OVERVIEW

1. Smart card reader *
2. USB 3.2 Gen 1 (Always On)
3. Ethernet (RJ-45)
4. Kensington Security Slot
5. USB-C 3.2 Gen 2
6. USB-C 3.2 Gen 2
7. Side docking connector
8. USB 3.2 Gen 1
9. HDMI 2.0
10. Headphone / microphone combo jack (3.5mm)
11. microSD card reader
12. Nano-SIM card slot *

Notes:
- Items with * are only available on selected models
- The combination of 6 and 7 is side docking connector
PERFORMANCE

Processor

Processor Family
AMD Ryzen™ 3 / 5 / 7 Processor

**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>AMD Ryzen 3 PRO 5450U</td>
<td>4</td>
<td>8</td>
<td>2.6GHz</td>
<td>4.0GHz</td>
<td>2MB L2 / 8MB L3</td>
<td>AMD Radeon™ Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 5 5600U</td>
<td>6</td>
<td>12</td>
<td>2.3GHz</td>
<td>4.2GHz</td>
<td>3MB L2 / 16MB L3</td>
<td>AMD Radeon Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 5 PRO 5650U</td>
<td>6</td>
<td>12</td>
<td>2.3GHz</td>
<td>4.2GHz</td>
<td>3MB L2 / 16MB L3</td>
<td>AMD Radeon Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 7 PRO 5850U</td>
<td>8</td>
<td>16</td>
<td>1.9GHz</td>
<td>4.4GHz</td>
<td>4MB L2 / 16MB L3</td>
<td>AMD Radeon Graphics</td>
</tr>
</tbody>
</table>

Operating System

**Operating System**

Fedora Linux
• Linux
• Ubuntu Linux
• Windows® 10 Home 64
• Windows 10 Home 64 Single Language
• Windows 10 Pro 64
• Windows 11 DG Windows 10 Pro 64
• Windows 11 Home
• Windows 11 Home Single Language
• Windows 11 Pro
• No operating system

Notes:
[1], [2], [3] 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**

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMD Radeon Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX® 12</td>
</tr>
</tbody>
</table>

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 5K@60Hz

Chipset

**Chipset**

AMD SoC (System on Chip) platform

Memory

**Max Memory**

• Up to 40GB (8GB soldered + 32GB SO-DIMM) DDR4-3200
• Up to 48GB (16GB soldered + 32GB SO-DIMM) DDR4-3200

**Memory Slots**

One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable

**Memory Type**

DDR4-3200

Notes:
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 256GB M.2 2242 SSD or 2TB M.2 2280 SSD

*Storage Slot*

One M.2 2280 PCIe® 3.0 x4 slot

*Storage Type***

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe®, PCIe 3.0 x4</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD[^2]</td>
<td>PCIe NVMe, PCIe x4</td>
<td>Opal 2.0</td>
</tr>
<tr>
<td>M.2 2280 SSD[^3]</td>
<td>PCIe NVMe, PCIe 4.0 x4 Performance</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. The system may support larger storage as the technology develops.

[^2]: PCIe x4 SSD may be PCIe 3.0 x4 or PCIe 4.0 x4 as substitution.

[^3]: The SSD with PCIe 4.0x4 performance is downgraded to closer to PCIe 3.0x4 performance due to the system slot limitation.

**Removable Storage**

*Card Reader*

microSD card reader

**Multi-Media**

*Audio Chip*

High Definition (HD) Audio, Realtek® ALC3287 codec

*Speakers*

Stereo speakers, 2W x2, Dolby® Audio™

*Microphone*

- Dual-microphone array, far-field
- No microphone[^1]

*Camera***

- HD 720p, with privacy shutter, fixed focus
- HD 720p + IR hybrid, with privacy shutter, fixed focus
- No camera

Notes:

[^1]: No microphone is for special bid only.

**Battery**

*Battery*

Integrated Li-Polymer 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

*Max Battery Life***

- MobileMark® 2018: 13.0 hr
- JEITA 2.0: 16.9 hr

Notes:

[^1]: All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, JEITA 2.0, continuous 1080p video playback (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 and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.
**Power Adapter**

**Power Adapter**

- 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:

[2] No power adapter is for special bid only.

**DESIGN**

**Display**

**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>14&quot;</td>
<td>FHD (1920x1080)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>700:1</td>
<td>45% NTSC</td>
<td>85°/85°/85°/85°</td>
<td></td>
</tr>
<tr>
<td>14&quot;</td>
<td>FHD (1920x1080)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>300 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>700:1</td>
<td>45% NTSC</td>
<td>85°/85°/85°/85°</td>
<td></td>
</tr>
<tr>
<td>14&quot;</td>
<td>FHD (1920x1080)</td>
<td>None</td>
<td>IPS</td>
<td>400 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>1200:1</td>
<td>72% NTSC</td>
<td>85°/85°/85°/85°</td>
<td>Low power</td>
</tr>
<tr>
<td>14&quot;</td>
<td>FHD (1920x1080)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>500 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>1000:1</td>
<td>72% NTSC</td>
<td>89°/89°/89°/89°</td>
<td>ThinkPad® Privacy Guard</td>
</tr>
<tr>
<td>14&quot;</td>
<td>UHD (3840x2160)</td>
<td>None</td>
<td>IPS</td>
<td>500 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>1500:1</td>
<td>100% Adobe® RGB</td>
<td>89°/89°/89°/89°</td>
<td>Dolby Vision™, DisplayHDR™ 400</td>
</tr>
</tbody>
</table>

**Touchscreen**

- On-cell multi-touch, supports 10-point touch
- Non-touch

Notes:

[1] California Electronic Waste Recycling Fee
In California USA, 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, please go to https://www.calrecycle.ca.gov/Electronics/Consumer.

[2] 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

**Keyboard Backlight**

- LED backlight
- Non-backlight

**UltraNav™**

TrackPoint® pointing device and Mylar® surface multi-touch touchpad

**Mechanical**

**Dimensions (WxDxH)**

329 x 227 x 17.9 mm (12.95 x 8.94 x 0.70 inches)

**Weight**
### Models and Weight

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHD touch / FHD non-touch models</td>
<td>Starting at 1.55 kg (3.41 lbs)</td>
</tr>
<tr>
<td>FHD Low Power / FHD Privacy Guard / UHD models</td>
<td>Starting at 1.46 kg (3.23 lbs)</td>
</tr>
</tbody>
</table>

### Case Color**
- Black
- Storm grey**

### Surface Treatment
Not anti-microbial surface treatment

### Case Material**
- PPS / 50% GF (top), PC-ABS / Talc15 + magnesium alloy (keyboard cover), PA / 50% GF (bottom)
- Aluminium (top), PC-ABS / Talc15 + magnesium alloy (keyboard cover), PA / 50% GF (bottom)

### Connectivity

#### Network

**Ethernet**
Gigabit Ethernet, Realtek RTL8111H-CG, 1x RJ-45, supports Wake-on-LAN

**WLAN + Bluetooth®**
- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- MediaTek Wi-Fi 6 MT7921, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Realtek Wi-Fi 6 RTL8852AE, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Intel Wi-Fi 6 AX200, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Qualcomm® Wi-Fi 6E QCNFA765, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

**WWAN**
- Wireless WAN upgradable to 4G (with antenna ready)**
- Quectel EM120R-GL, 4G LTE CAT12, M.2 card
- Quectel EM120R-GL, 4G LTE CAT12, M.2 card, with embedded eSIM functionality
- No support

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

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

### 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.
[3] Storm grey case is NOT available in EMEA.

#### Ports
**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 2.0
- 1x microSD card reader
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Side docking connector

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 side docking connector or USB-C.
For more compatible docking solutions, please visit Docking for ThinkPad T14 Gen 2 (AMD)

Monitor Cable

Monitor Cable***
- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to VGA Adapter
- Lenovo USB-C to DisplayPort Adapter
- No monitor cable

SECURITY & PRIVACY

Security

Security Chip
Discrete TPM 2.0, TCG certified

Physical Locks
Kensington® Security Slot™, 3 x 7 mm

Smart Card Reader
- Smart card reader
- No smart card reader

Fingerprint Reader
- Touch style fingerprint reader on palm rest, match-on-chip
- No fingerprint reader

BIOS Security
- Power-on password
- Supervisor password
- NVMe password
- Self-healing BIOS

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

MANAGEABILITY

ThinkPad T14 Gen 2 (AMD) - July 20 2023
**System Management**

System Management
- DASH
- Non-DASH

**SERVICE**

**Warranty**[^1]

**Base Warranty**[^2]
- 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[^2]

Notes:
[^1]: The warranty upgrades may be bundled with some models, please check the "included upgrade" column in the specific model's configurations. For more service extensions, please go to [https://smartfind.lenovo.com/](https://smartfind.lenovo.com/). To learn more details of warranty policy, please access [https://pcsupport.lenovo.com/warranty](https://pcsupport.lenovo.com/warranty).
[^2]: No base warranty is for special bid only.

**ENVIRONMENTAL**

**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)

**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).

**CERTIFICATIONS**

**Green Certifications**[^1]

**Green Certifications**
- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Gold Registered[^2]
- TCO Certified
- RoHS compliant

Notes:
[^1]: The items listed under the "Green Certifications“ section may not only refer to certification but also registration or self-declaration.
[^2]: EPEAT is registered where applicable, please see [https://www.epeat.net](https://www.epeat.net) for registration status by country.

**Other Certifications**

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