## OVERVIEW

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<td>2. HDMI</td>
<td>6. Card reader</td>
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<td>3. USB-C 3.2 Gen 2</td>
<td>7. USB 3.2 Gen 1</td>
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<td>4. Headphone / microphone combo jack (3.5mm)</td>
<td>8. USB 3.2 Gen 1 (Always On)</td>
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</table>
PERFORMANCE

Processor
Processor Family
AMD Ryzen™ 5 / 7 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>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMD Ryzen 5 5500U</td>
<td>6</td>
<td>12</td>
<td>2.1GHz</td>
<td>4.0GHz</td>
<td>3MB L2 / 8MB L3</td>
<td>LPDDR4-4266</td>
<td>AMD Radeon™ Graphics</td>
</tr>
<tr>
<td>AMD Ryzen 7 5700U</td>
<td>8</td>
<td>16</td>
<td>1.8GHz</td>
<td>4.3GHz</td>
<td>4MB L2 / 8MB L3</td>
<td>LPDDR4-4266</td>
<td>AMD Radeon Graphics</td>
</tr>
</tbody>
</table>

Operating System
Operating System
- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 11 Home in S mode
- No operating system

Graphics

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

Monitor Support
Monitor Support
Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and USB-C®)
- HDMI supports up to 3840x2160@30Hz
- USB-C supports up to 4K@60Hz

Chipset
Chipset
AMD SoC (System on Chip) platform

Memory

<table>
<thead>
<tr>
<th>Max Memory[1]</th>
<th>8GB soldered memory, not upgradable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16GB soldered memory, not upgradable</td>
</tr>
</tbody>
</table>

Memory Slots
Memory soldered to system board, no slots, dual-channel (8GB or 16GB model)

Memory Type
LPDDR4x-4266

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[2]
One drive, up to 1TB M.2 2242 SSD or 512GB M.2 2280 SSD

Storage Slot
One M.2 2280 PCIe® Gen 3x4 slot, supports M.2 2242/2280 SSD

Storage Type[2]

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IdeaPad Flex 5 16ALC7 - May 11 2022
<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>Offering</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe®, PCIe 3.0 x4</td>
<td>256GB</td>
</tr>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe, PCIe 4.0 x4</td>
<td>256GB / 512GB / 1TB</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>512GB</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. The SSD with PCI 4.0x4 is downgraded to closer to PCIe 3.0x4 due to AMD platform limitation.

**Removable Storage**

Card Reader
4-in-1 card reader (SD, SDHC, SDXC, MMC)

**Multi-Media**

Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers
Front-facing stereo speakers, 2W x2, optimized with Dolby® Audio™

Microphone
Dual array microphone with noise-cancelling, support Lenovo Voice Assistant (LVA), and Amazon Alexa

Camera
- HD 720p webcam, with privacy shutter, fixed focus
- FHD 1080p webcam, with privacy shutter, fixed focus

Notes:
1. Amazon Alexa might be limited by country-level restrictions.

**Sensor**

Sensors
- Accelerometer (G) sensor
- Hall sensor

**Battery**

Battery
Integrated Li-Polymer 52.5Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

**Max Battery Life**

<table>
<thead>
<tr>
<th>Model</th>
<th>WUXGA model</th>
<th>2.5K model</th>
</tr>
</thead>
<tbody>
<tr>
<td>MobileMark® 2018@200nits: 8.5 hr</td>
<td>Local video (1080p) playback@150nits: 11.5 hr</td>
<td>Local video (1080p) playback@150nits: 10 hr</td>
</tr>
<tr>
<td>MobileMark 2018@200nits: 8 hr</td>
<td>Local video (1080p) playback@150nits: 10 hr</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, 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 and depends 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
65W round tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:
1. AC adapter offerings depend on the country.
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</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.0&quot;</td>
<td>WUXGA (1920x1200)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>300 nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>800:1</td>
<td>45% NTSC</td>
<td>170°</td>
<td>TÜV Low Blue Light, DC dimming</td>
</tr>
<tr>
<td>16.0&quot;</td>
<td>2.5K (2560x1600)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>400 nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>1200:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>TÜV Low Blue Light, DC dimming</td>
</tr>
</tbody>
</table>

Touchscreen

OGS (One Glass Solution) / GFF (Glass-Film-Film) Direct Bonding, capacitive-type multi-touch, supports 10-point 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

Multi-mode

Multi-mode
Laptop, tent, stand, and tablet modes supported by 360° hinge

Input Device

Pen

- Lenovo E-color Pen with built-in rechargeable battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo E-Color Pen Overview
- Lenovo Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- Lenovo Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Digital Pen Overview
- No pen (pen sold separately)

Keyboard

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight

LED backlight

Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

Mechanical

Dimensions (WxDxH)

357.8 x 253.9 x 18.7 mm (14.09 x 9.99 x 0.74 inches)

Weight

Around 2.1 kg (4.63 lbs)

Case Color

- Cloud grey
- Storm grey

Surface Treatment

Aluminium stamping (anodized)

Case Material

Aluminium (top), PC + ABS + 40% GF (bottom)

Notes:
The system dimensions and weight vary depending on configurations.

CONNECTIVITY

Network
Onboard Ethernet
No Ethernet

WLAN + Bluetooth®

- Wi-Fi® 5, 802.11ac 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 card

Notes:
1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
2. Wi-Fi 6 full features might be limited by country-level restrictions.

Ports

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 HDMI 1.4b
- 1x Card reader
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

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

SECURITY & PRIVACY

Security

Security Chip
Firmware TPM 2.0 integrated in SoC

Fingerprint Reader
Touch style fingerprint reader on palm rest

BIOS Security
- Administrator password
- User password
- Master hard disk password
- User hard disk password
- Self-healing BIOS

Other Security
Camera privacy shutter

SERVICE

Warranty

Base Warranty
- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 2-year (1-yr battery) depot service
• 3-year (1-yr battery) depot service

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

ENVIRONMENTAL

Operating Environment

Temperature
• At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
• At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°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)

CERTIFICATIONS

Green Certifications

ENERGY STAR® 8.0
RoHS compliant

Other Certifications

WUXGA model:
TÜV Rheinland® Low Blue Light (Software Solution)

2.5K model:
TÜV Rheinland Low Blue Light (Hardware Solution)

• Feature with ** means that only one offering listed under the feature is configured on selected models.

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