### Processor

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Cores</th>
<th># of Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>7th Generation Intel® Core™ i5 Processor</td>
<td>2</td>
<td>4</td>
<td>2.6 GHz</td>
<td>3.5 GHz</td>
<td>3MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 620</td>
</tr>
<tr>
<td>8th Generation Intel® Core™ i5 / i7 Processor</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>3.4 GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
</tbody>
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### Graphics

- Intel HD Graphics 620 or Intel UHD Graphics 620 in processor.
- Supports external digital monitor via HDMI or USB Type-C.
- Supports three independent displays.
- Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)

### Chipset

- Intel SoC (System on Chip) platform.

### Memory

- 8GB or 16GB / 2133MHz LPDDR3 / soldered to system board, no sockets.

### Display

- 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision.
- 170° viewing angle.
- LED backlight, IPS, 500 nits, 16:9 aspect ratio, 100% gamut.
- One of the following, configurable by model:
  - 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle.
  - 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle.
  - 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision, glossy, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle.

### Multi-touch (opt)

- On-cell touch, supports 10-finger gesture (FHD only).

### Storage

- One of the following, configurable by model:
  - M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2).
  - M.2 SSD / PCIe NVMe (e.g. xxxGB SSD M.2 PCIe NVMe).

### Optical

- Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro).

### Ethernet

- None.

### WLAN + Bluetooth

- Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card.

### WWAN (optional)

- For non-WWAN model, it means the model is NOT WWAN upgradable.

### SIM card (opt)

- Nano-SIM card slot, optional Verizon LTE (US) SIM card.

### Processor Specifications Reference (PSREF)

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<tr>
<td>i5-7300U</td>
<td>2</td>
<td>4</td>
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<td>3.5 GHz</td>
<td>3MB</td>
<td>LPDDR3-1866</td>
<td>Intel HD Graphics 620</td>
</tr>
<tr>
<td>i5-8250U</td>
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<td>8</td>
<td>1.6 GHz</td>
<td>3.4 GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
<tr>
<td>i5-8530U</td>
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<td>8</td>
<td>1.7 GHz</td>
<td>3.6 GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
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</tr>
<tr>
<td>i7-8550U</td>
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<td>1.8 GHz</td>
<td>4.0 GHz</td>
<td>8MB</td>
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<tr>
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### System clocks down for processors with lower memory controller.

### Security

- Security chip: Intel vPro Technology.

### Security chip

- Power-on password, hard disk password, supervisor password, security keyhole.

### Security feature

- Discrete TPM 2.0, TCG Certified.

### Security keyhole

- Near Field Communication.

### Battery

- Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter.

### Max battery life

- MobileMark® 2014: 19.3 hr.

### AC adapter

- 45W, 65W, or 65W Low Halogen USB-C AC adapter.

### Operating system

- Optional: Windows® 10 Home 64 or Windows® 10 Pro 64.

### Limited warranty

- One of the following, configurable by model:
  - 1-year depot repair service.
  - 1-year depot with 2-year system board repair service.
  - 3-year/1-yr battery depot repair service.

### Environment

- EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant.

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Lenovo
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