### 10th Generation Intel® Core™ i5 / i7 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>i5-10210U</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>4.2 GHz</td>
<td>8MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i5-10310U</td>
<td>4</td>
<td>8</td>
<td>1.7 GHz</td>
<td>4.4 GHz</td>
<td>8MB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i7-10510U</td>
<td>4</td>
<td>8</td>
<td>1.8 GHz</td>
<td>4.9 GHz</td>
<td>8MB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i7-10610U</td>
<td>4</td>
<td>8</td>
<td>1.8 GHz</td>
<td>4.9 GHz</td>
<td>8MB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Graphics**
- Intel UHD Graphics in processor, supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4K @24Hz) or Thunderbolt (5K @60Hz).

**Chipset**
- Intel SoC (System on Chip) platform
- 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets

**Display**
- 14.0" FHD (1920x1080) Low Power
- 14.0" FHD (1920x1080) ThinkPad Privacy Guard
- 14.0" WQHD (2560x1440)
- 14.0" UHD (3840x2160)

**Multi-touch**
- Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR) / anti-smudge (AS) coating

**Hinge**
- Yoga hinge, 360 degree

**Pen**
- ThinkPad Pen Pro, rechargeable active pen, on-board garage

**Storage**
- M.2 2280 SSD / PCle NVMe 3.0 x 4
- Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCle NVMe 3.0 x 4

**Optical**
- None

**Ethernet**
- Native Intel Ethernet Connection i219-V (Non-vPro) or i219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2

**WLAN + Bluetooth**
- Intel Wi-Fi 6 AX201, Wi-Fi 2x2 B02.11ax + Bluetooth 5.0

**WWAN (optional)**
- Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
- Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card

**SIM card (opt)**
- Germaino eSIM
- Nano-SIM card, Lenovo Connect 4 month, 4G LTE

### Processor Specifications

**Dimensions**
- WxDxH (Privacy Guard): 12.71" x 8.58" x 0.63"; 323mm x 218mm x 15.95mm
- WxDxH (other model): 12.71" x 8.58" x 0.61"; 323mm x 218mm x 15.5mm

**Weight**
- Privacy Guard model: starting at 3.24 lb / 1.47 kg
- Other model: starting at 2.99 lb / 1.36 kg

**Case color**
- Iron Grey

**Case material**
- Display cover: Aluminium; Bottom: Magnesium

**Smart card reader**
- None

**Media reader**
- None

**Ports**
- Two USB 3.2 Gen 1 (one Always On), two USB 3.2 Type-C Gen 2 / Thunderbolt 3 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, side docking connector, security keyhole

**Monitor cable**
- Optional: Lenovo HDMI to VGA Monitor Adapter

**Security chip**
- Discrete TPM 2.0 TCG Certified
- Firmware TPM 2.0 integrated in chipset

**Security**
- Power-on password, hard disk password, supervisor password, security keyhole

**Security chip**
- Power-on password, hard disk password, supervisor password, security keyhole

**Battery**
- Integrated Li-Polymer 51Wh battery

**Max battery life**
- MobileMark 2014: 19.3 hr
- MobileMark 2018: 13.0 hr

**Operating system**
- Windows 10 Home 64
- Windows 10 Pro 64

**Limited warranty**
- 1-year depot repair service
- 1-year depot with 2-year system board repair service
- 1-year limited onsite service
- 1-year + 2-year depot repair service
- 1-year + 2-year limited onsite service
- 3-year/1-yr battery depot repair service
- 3-year/1-yr battery limited onsite service

**Environment**
- EPEAT™ Gold; ENERGY STAR™ 8.0; TCO Certified; RoHS-compliant

Note: The specifications above may not be available in all regions and might change by regions.

Lenovo
August 2020