### 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>i5-8265U</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>3.9 GHz</td>
<td>6MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i5-8365U</td>
<td>4</td>
<td>8</td>
<td>1.6 GHz</td>
<td>4.1 GHz</td>
<td>6MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i7-8565U</td>
<td>4</td>
<td>8</td>
<td>1.8 GHz</td>
<td>4.6 GHz</td>
<td>8MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>i7-8665U</td>
<td>4</td>
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<td>8MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics</td>
</tr>
</tbody>
</table>

### Graphics
- Intel UHD Graphics in processor;
- supports external digital monitor via HDMI or Thunderbolt;
- supports three independent displays;
- Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)

### Chipset
- Intel SoC (System on Chip) platform
- 8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to system board, no sockets
- Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
- Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0
- Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0

### Display

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Type</th>
<th>Brightness</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.0”</td>
<td>FHD (1920x1080)</td>
<td>WVA Anti-glare</td>
<td>250 nits (non-touch) / 300 nits (multi-touch)</td>
<td>16:9</td>
<td>700:1</td>
<td>45%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0”</td>
<td>FHD (1920x1080) Low Power</td>
<td>WVA Anti-glare</td>
<td>400 nits</td>
<td>16:9</td>
<td>800:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0”</td>
<td>ThinkPad Privacy Guard</td>
<td>WVA Anti-glare</td>
<td>400 nits</td>
<td>16:9</td>
<td>1000:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0”</td>
<td>WQHD (2560x1440)</td>
<td>HDR, Dolby Vision™</td>
<td>500 nits</td>
<td>16:9</td>
<td>1500:1</td>
<td>&gt;100%</td>
<td>Adobe 170°</td>
</tr>
</tbody>
</table>

### Multi-touch (opt)
- On-cell touch, supports 10-finger gesture (FHD only)

### Storage
- M.2 2280 SSD / SATA 6.0Gb/s
- M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4
- M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2
- Intel Optane
- M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2
- Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCIe 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™ (optional)
- One of the following, configurable by model:
  - Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0
  - Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0

### WWAN (optional)
- One of the following, configurable by model:
  - Wireless WAN upgradeable
  - Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)
  - Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
- * For non-WWAN model, it means the model is NOT WWAN upgradeable

### SIM card (opt)
- Verizon LTE (US) SIM card
- Gemalto eSIM

### Dimensions
- WxDxH (black with FHD / Privacy Guard):
  - 12.95” x 8.90” x 0.66*; 329.0mm x 226.15mm x 16.7mm
- WxDxH (black with FHD Low Power / WQHD):
  - 12.94” x 8.89” x 0.63*; 328.6mm x 225.8mm x 16.1mm
- WxDxH (silver):
  - 12.96” x 8.92” x 0.68*; 329.15mm x 226.45mm x 17.2mm

### Weight
- Models
  - Black with FHD / Privacy Guard
  - Black with FHD Low Power / WQHD
  - Silver
- Weight
  - 2.98 lb / 1.35 kg
  - 2.81 lb / 1.27 kg
  - 3.29 lb / 1.49 kg

### Case color
- Black or Silver

### Case material
- Black or Silver

### Display cover
- CFP Hybrid (black) or Aluminum (silver)
- Bottom: Magnesium

### Media reader
- MicroSD card reader
- Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole
- * Depending on many factors, actual data transfer speed may be lower than theoretical speed
- HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
- USB-C to VGA: Lenovo USB-C to VGA Adapter
- USB-C to DP: Lenovo USB-C to DisplayPort Adapter
- Optional: ThinkPad Ethernet Extension Adapter Gen 2

### Audio support
- HD Audio, Realtek ALC3287 codec / 32-bit, 192 kHz
- HD720p camera with ThinkShutter camera privacy, fixed focus
- Intel vPro Technology
- WUXGA 1920x1200, 16:10, 250 nits
- 12.95” / 8.90” / 0.66”
- 329.0mm / 226.15mm / 16.7mm

### Battery
- Integrated Li-Polymer 57Wh battery
- Supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Max battery life
- 20 hr

### Security chip
- Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified
- (may be disabled in some region)

### System Mgt (optional)
- Intel vPro Technology
- Windows 10 Home 64 or Windows 10 Pro 64
- NFC (optional)
- Near Field Communication

### Smart card reader
- Optional: Smart card reader

### Media reader
- Optional: MicroSD card reader

### Ports
- Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole
- * Depending on many factors, actual data transfer speed may be lower than theoretical speed
- HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
- USB-C to VGA: Lenovo USB-C to VGA Adapter
- USB-C to DP: Lenovo USB-C to DisplayPort Adapter
- Optional: ThinkPad Ethernet Extension Adapter Gen 2

### Camera (optional)
- HD720p camera with ThinkShutter camera privacy, fixed focus
- Depending on many factors, actual data transfer speed may be lower than theoretical speed
- HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
- USB-C to VGA: Lenovo USB-C to VGA Adapter
- USB-C to DP: Lenovo USB-C to DisplayPort Adapter
- Optional: ThinkPad Ethernet Extension Adapter Gen 2

### Security
- Power-on password, hard disk password, supervisor password, security keyhole
- Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified

### Keyboard
- 6-row, spill-resistant, multimedia Fn keys, optional LED backlight

### TrackPoint™ pointing device and buttonless Mylar surface multi-touch touchpad

### Security chip
- Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified

### Camera (optional)
- HD720p camera with ThinkShutter camera privacy, fixed focus

### Audio support
- HD Audio, Realtek ALC3287 codec / 32-bit, 192 kHz
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### Intel vPro Technology
- Windows 10 Home 64 or Windows 10 Pro 64
- NFC (optional)
- Near Field Communication

### Battery
- Integrated Li-Polymer 57Wh battery
- Supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Max battery life
- 20 hr

### AC adapter
- 65W USB-C AC adapter
- 65W USB-C AC adapter
- 65W USB-C slim AC adapter

### Operating system
- Windows 10 Home 64 or Windows 10 Pro 64

### Limited warranty (optional)
- 1-year depot repair service
- 1-year depot with 2-year system board repair service
- 1-year limited onsite service
- 3-year/1-year battery depot repair service
- 1-year / 2-year/1-year limited onsite service
- 3-year/1-year battery limited onsite service
- 65W USB-C slim AC adapter
- 65W USB-C AC adapter

### Mil-Spec test
- MIL-STD-810G military testing

### Environment
- EPEAT™ Gold, ENERGY STAR® 7.1, TCO Certified, RoHS-compliant

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

Lenovo
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