## OVERVIEW

<table>
<thead>
<tr>
<th></th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nano-SIM-card and microSD card slot</td>
</tr>
<tr>
<td>2</td>
<td>USB-C 3.2 Gen 1 / Thunderbolt 3</td>
</tr>
<tr>
<td>3</td>
<td>Mini security-lock slot</td>
</tr>
<tr>
<td>4</td>
<td>Pen holder slot</td>
</tr>
<tr>
<td>5</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>6</td>
<td>Pen holder slot</td>
</tr>
<tr>
<td>7</td>
<td>Volume button</td>
</tr>
<tr>
<td>8</td>
<td>Power button</td>
</tr>
<tr>
<td>9</td>
<td>Pogo pin connector (6-point)</td>
</tr>
</tbody>
</table>

**Notes:**
- Rest hole in behind (not shown on the sample product above)
PERFORMANCE

Processor

Processor Family
8th Generation Intel® Core™ i5 / i7 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>Core i5-8250U</td>
<td>4</td>
<td>8</td>
<td>1.6GHz</td>
<td>3.4GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
<tr>
<td>Core i5-8350U</td>
<td>4</td>
<td>8</td>
<td>1.7GHz</td>
<td>3.6GHz</td>
<td>6MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
<tr>
<td>Core i7-8550U</td>
<td>4</td>
<td>8</td>
<td>1.8GHz</td>
<td>4.0GHz</td>
<td>8MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
<tr>
<td>Core i7-8650U</td>
<td>4</td>
<td>8</td>
<td>1.9GHz</td>
<td>4.2GHz</td>
<td>8MB</td>
<td>LPDDR3-2133</td>
<td>Intel UHD Graphics 620</td>
</tr>
</tbody>
</table>

Operating System

Operating System**
- Windows® 10 Pro 64
- Windows 10 Home 64
- Windows 10 IoT Enterprise
- No operating system

Graphics

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel UHD Graphics 620</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX® 12</td>
</tr>
</tbody>
</table>

Chipset

Chipset
Intel SoC (System on Chip) platform

Memory

Max Memory
- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Type
LPDDR3-2133

Storage

Storage Support
One drive, up to 1TB M.2 2280 SSD

Storage Type**

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>Offering</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2280 SSD</td>
<td>SATA 6Gb/s</td>
<td>128GB</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>SATA 6Gb/s</td>
<td>256GB</td>
<td>Opal2</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe® NVMe®, PCIe 3.0 x4</td>
<td>256GB / 512GB / 1TB</td>
<td>Opal2</td>
</tr>
</tbody>
</table>

Removable Storage

Card Reader**
- MicroSD card slot (WLAN model)
- Nano-SIM + microSD card slot (WWAN model)

Multi-Media

Speakers
Stereo speakers, 1W x2

**Microphone**
Dual array microphone

**Camera**
- Front 2.0-megapixel RGB, fixed focus, rear 8.0-megapixel RGB, autofocus
- Front 2.0-megapixel IR & RGB hybrid, fixed focus; rear 8.0-megapixel RGB, autofocus
- No camera

Notes:
1. IR camera is mutually exclusive with NFC.

**Sensor**
**Vibration Motor**
No support

**Sensors**
- Accelerometer (G) sensor
- Ambient light sensor (ALS)
- Gyroscope sensor

**Battery**
**Battery**
Integrated Li-Polymer 42Wh battery

**Max Battery Life**
MobileMark® 2014: 9.5 hr

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**
- 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

**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</th>
<th>Key Features</th>
</tr>
</thead>
</table>

**Touchscreen**
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.carecycle.ca.gov/Electronics/Consumer

**Input Device**
Pen

- Lenovo Pen Pro with built-in rechargeable battery, 4096 levels of pressure sensitivity. For more information, please read Lenovo Pen Pro Overview.
- ThinkPad® Pen Pro with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity, on-board garaged (using pen holder). Learn more about ThinkPad Pen Pro Overview.
- No pen (pen sold separately)

Notes:
1. ThinkPad Pen Pro: might not be installed with an AAAA alkaline battery

**Mechanical**

Dimensions (WxDxH)

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tablet with folio keyboard</td>
<td>304.1 x 226 x 14.4 mm (11.97 x 8.9 x 0.57 inches)</td>
</tr>
<tr>
<td>Tablet</td>
<td>304.1 x 226 x 8.9 mm (11.97 x 8.9 x 0.35 inches)</td>
</tr>
</tbody>
</table>

Weight

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tablet with folio keyboard</td>
<td>Tablet: 0.89 kg (1.96 lbs)</td>
</tr>
<tr>
<td></td>
<td>Tablet with folio keyboard: 1.27 kg (2.8 lbs)</td>
</tr>
<tr>
<td>Tablet</td>
<td>0.89 kg (1.96 lbs)</td>
</tr>
</tbody>
</table>

Case Color

Black

Case Material

Magnesium-aluminium

Others

Kensington® Security Slot

Buttons

- Power button
- Volume button

**CONNECTIVITY**

Network

**WLAN + Bluetooth®**

Intel Dual-Band Wireless-AC 8265, 802.11ac Dual-Band 2x2 Wi-Fi® + Bluetooth 4.2

**WWAN**

- Integrated Mobile Broadband 4G LTE-A, Sierra Wireless EM7430
- Integrated Mobile Broadband 4G LTE-A, Sierra Wireless EM7455
- No support

SIM Card

- Nano-SIM Card, Verizon LTE (US)
- No SIM card inbox

NFC

- Near Field Communication
- No support

Location Services

<table>
<thead>
<tr>
<th>Models</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLAN model</td>
<td>No location service</td>
</tr>
<tr>
<td>WWAN model</td>
<td>GPS function integrated in WWAN module</td>
</tr>
</tbody>
</table>

Notes:
NFC is mutually exclusive with IR camera.

**Ports**

**Standard Ports**
- 2x USB-C 3.2 Gen 1 / Thunderbolt™ 3 (support data transfer, Power Delivery, and DisplayPort™)
- 1x Nano-SIM + microSD card slot
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Pen holder slot
- 1x Pogo pin connector (6-point)

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: 40 Gbit/s;
   - FireWire 400: 400 Mbit/s;
   - FireWire 800: 800 Mbit/s

**Docking**

**Docking***
- Thin Keyboard (magnetic detachable)
- ThinkPad USB-C Dock Gen 2
- No dock

**Monitor Cable**

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

**SECURITY & PRIVACY**

**Security**

**Security Chip**
Discrete TPM 2.0, TCG certified

**Fingerprint Reader**
Touch style fingerprint reader on display cover

**MANAGEABILITY**

**System Management**

- Intel vPro
- None

**SERVICE**

**Warranty**

**Base Warranty**
- 1-year depot service
- 1-year + 2-year depot service
- 1-year + 2-year limited onsite service
- 3-year (1-yr battery) depot service
- 3-year (1-yr battery) limited onsite service
Notes:
1. More information of warranty policy, please access https://pcsupport.lenovo.com/warranty

ENVIRONMENTAL

Operating Environment

Temperature
- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: 5°C (41°F) to 43°C (109°F)
- Maximum temperature when operating under unpressurized conditions: 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): 5000 m (16,404 ft)

ACCESSORIES

Bundled Accessories

Bundled Accessories***
- Lenovo USB-C to Ethernet Adapter
- Lenovo USB-C to USB-A Adapter
- Lenovo USB-C Travel Hub
- None

CERTIFICATIONS

Green Certifications

Green Certifications
- EPEAT™ Silver
- GREENGUARD®
- Low Halogen
- RoHS compliant

Other Certifications
Mil-Spec Test
- MIL-STD-810G 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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