OVERVIEW

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

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 Home 64
- Windows 10 Pro 64
- No operating system

Graphics
Graphics

<table>
<thead>
<tr>
<th>Graphics Type</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
Memory Type
LPDDR3-2133

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

<table>
<thead>
<tr>
<th>Storage Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Offering</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2280 SSD</td>
<td>SATA 6Gb/s</td>
<td>-</td>
<td>256GB</td>
<td>Opal2</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>SATA 6Gb/s</td>
<td>-</td>
<td>128GB</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</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
ThinkPad X1 Tablet (3rd Gen)

- Front 2.0-megapixel IR & RGB hybrid, fixed focus; rear 8.0-megapixel RGB, autofocus
- Front 2.0-megapixel RGB, fixed focus, rear 8.0-megapixel RGB, autofocus

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
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, and/or JEITA 2.0 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
- 45W USB-C (3-pin) AC adapter
- 65W USB-C (2-pin) AC adapter
- 65W USB-C (3-pin) AC adapter

DESIGN

Display

Display II

<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.calrecycle.ca.gov/Electronics/Consumer

Input Device

Pen
- Lenovo Pen Pro with replaceable battery
- ThinkPad® Pen Pro, batteries required, on-board garaged
- No pen (pen needs to be purchased separately)

Mechanical
ThinkPad X1 Tablet (3rd Gen)

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

- Volume button
- Power 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 EM7430C
- 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:

1. 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)

Docking
ThinkPad X1 Tablet (3rd Gen)

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

**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
2. Depending on many factors, actual data transfer speed may be lower than theoretical speed

**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
- Disabled (in some regions)

**Fingerprint Reader**

- Touch style fingerprint reader on display cover

**MANAGEABILITY**

**System Management**

**System Management**

- Intel vPro Technology, DASH
- None

**SERVICE**

**Warranty**

**Base Warranty**

- 1-year depot service
- 1-year depot with 2-year system board 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

**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