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

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>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i5-8350U</td>
<td>4</td>
<td>8</td>
<td>1.7GHz</td>
<td>3.6GHz</td>
<td>6MB</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>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>Intel UHD Graphics 620</td>
</tr>
<tr>
<td>Core i5-8250U</td>
<td>4</td>
<td>8</td>
<td>1.6GHz</td>
<td>3.4GHz</td>
<td>6MB</td>
<td>Intel UHD Graphics 620</td>
</tr>
</tbody>
</table>

Operating System

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

Graphics

Graphics

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphics</td>
<td>Type</td>
<td>Memory</td>
<td>Key Features</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intel UHD Graphics 620</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX® 12</td>
<td></td>
<td></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>256GB</td>
<td>Opal2</td>
</tr>
<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>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 models)
- Nano-SIM + microSD card slot (WWAN models)

Multi-Media

Speakers
Stereo speakers, 1W x2

Microphone
Dual-microphone array

Camera

- Front 2.0MP, fixed focus, rear 8.0MP, autofocus
- Front 2.0MP + IR hybrid, fixed focus; rear 8.0MP, autofocus
- No camera

Notes:
[1], [2] 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 depending 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

<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>Viewing Angle (L/R/U/D)</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.0&quot;</td>
<td>QHD+ (3000x2000)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>400 nits</td>
<td>Anti-reflection, Anti-smudge</td>
<td>3:2</td>
<td>1200:1</td>
<td>160°</td>
<td>Corning® Gorilla® Glass</td>
</tr>
</tbody>
</table>

Touchscreen
Capacitive-type multi-touch, supports 10-point touch

Notes:
[1] California Electronic Waste Recycling Fee
In California USA, 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, please go to https://www.calrecycle.ca.gov/Electronics/Consumer.
[2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.
Input Device

Pen**[1]
- 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)**[1]

<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**[2]

<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

Notes:

[1] The system dimensions may vary depending on configurations.
[2] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

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**[3]
- Near Field Communication
- No support
**Location Services**

<table>
<thead>
<tr>
<th>Models</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLAN models</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)

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;
USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
USB4 40Gbps (USB 40Gbps): 40 Gbit/s;
Thunderbolt 3/4: 40 Gbit/s.

**Docking**

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

**Monitor Cable**

**Monitor Cable**
- Lenovo USB-C to VGA Adapter
- Lenovo USB-C to HDMI® 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**

**System Management**
- Intel vPro®
- None

**SERVICE**

ThinkPad X1 Tablet (3rd Gen) - August 17 2023
Warranty

Base Warranty**
- 1-year courier or carry-in service
- 1-year + 2-year limited onsite service
- 1-year + 2-year Courier or Carry-in service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service

ENVIRONMENTAL

Operating Environment

Temperature
- Maximum temperature when operating under unpressurized conditions: 31.3°C (88°F)
- Operating: 5°C (41°F) to 35°C (95°F)
- Storage: 5°C (41°F) to 43°C (109°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[1]

Green Certifications
- EPEAT™ Gold Registered[2]
- GREENGUARD®
- Low Halogen
- RoHS compliant

Notes:
[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.
[2] EPEAT is registered where applicable, please see https://www.epeat.net for registration status by country.

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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