## OVERVIEW

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power button</td>
</tr>
<tr>
<td>2</td>
<td>Volume button</td>
</tr>
<tr>
<td>3</td>
<td>Kensington Security Slot</td>
</tr>
<tr>
<td>4</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>5</td>
<td>Thunderbolt 4</td>
</tr>
<tr>
<td>6</td>
<td>Nano-SIM card slot</td>
</tr>
<tr>
<td>7</td>
<td>USB-C 3.2 Gen 2</td>
</tr>
</tbody>
</table>

Notes:
- Pogo pin connector (8-point) not shown on the sample product above
PERFORMANCE

Processor

Processor Family
11th Generation Intel® Core™ i3 / 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 i3-1110G4</td>
<td>2</td>
<td>4</td>
<td>2.5GHz</td>
<td>3.9GHz</td>
<td>6MB</td>
<td>LPDDR4x-4266</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>Core i5-1130G7</td>
<td>4</td>
<td>8</td>
<td>1.8GHz</td>
<td>4.0GHz</td>
<td>8MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core i5-1140G7</td>
<td>4</td>
<td>8</td>
<td>1.8GHz</td>
<td>4.2GHz</td>
<td>8MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1160G7</td>
<td>4</td>
<td>8</td>
<td>2.1GHz</td>
<td>4.4GHz</td>
<td>12MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1180G7</td>
<td>4</td>
<td>8</td>
<td>2.2GHz</td>
<td>4.6GHz</td>
<td>12MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris Xe Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System
• Windows® 10 Pro 64
• Windows 10 Home 64
• Windows 10 IoT Enterprise LTSC
• No operating system

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</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX® 12</td>
</tr>
<tr>
<td>Intel Iris Xe Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX 12</td>
</tr>
</tbody>
</table>

Monitor Support

Monitor Support
Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via USB-C (5120x3200@60Hz) or Thunderbolt™ (5120x3200@60Hz)

Chipset

Chipset
Intel SoC (System on Chip) platform

Memory

Memory Type
LPDDR4x-4266

Notes:
1. 8GB or 16GB LPDDR4x-4266 soldered, dual-channel capable

Storage

Storage Support
One drive, up to 1TB M.2 2242 SSD

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Offering</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>128GB / 256GB / 512GB / 1TB</td>
<td>-</td>
</tr>
</tbody>
</table>

Multi-Media

Speakers
Stereo speakers, Realtek® ALC3306-GRT codec, 1W x2, Dolby® Audio™
Microphone
Dual array microphone, 360° far-field for Cortana, near-field for Alexa

Camera
Front 5.0-megapixel IR & RGB hybrid user-facing camera, webcam privacy shutter, fixed focus
Rear 8.0-megapixel RGB world-facing, autofocus

Sensor
Vibration Motor
No support

Sensors
- Accelerometer (G) sensor
- Proximity (P) sensor (WWAN model)
- Gyroscope sensor
- Hall sensor
- Inclinometer sensor

Battery
Battery
Integrated Li-Polymer 42Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

Max Battery Life
MobileMark® 2018: 10.36 hr
JEITA 2.0: 12.42 hr

Charging Time
To fully charged
In operation: 2.0 hr
Off ~ 80%: 0.83 hr
Off ~ 100%: 2.0 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 slim (3-pin) AC adapter
- 65W USB-C slim (2-pin) AC adapter
- 65W USB-C (2-pin) AC adapter
- 65W USB-C (3-pin) AC adapter
- No power adapter

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>
<tbody>
<tr>
<td>12.3”</td>
<td>FHD+ (1920x1280)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>400 nits</td>
<td>Anti-reflection, Anti-smudge</td>
<td>3:2</td>
<td>1500:1</td>
<td>100% sRGB</td>
<td>178°</td>
<td>Corning® Gorilla® Glass 5</td>
</tr>
</tbody>
</table>

Touchscreen
GF2 Direct Bonding, 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 Digital Pen with replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity
- Lenovo Digital Pen without replaceable AAAA alkaline battery, 4096 levels of pressure sensitivity
- Lenovo Precision Pen, 4096 levels of pressure sensitivity, magnetically attached to the system
- No pen (pen sold separately)

1. Lenovo Precision Pen: 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>Tablet: 283.3 x 203.5 x 8.8 mm (11.15 x 8.01 x 0.35 inches); Folio keyboard: 283.3 x 217.8 x 5.7 mm (11.15 x 8.57 x 0.22 inches); Total: 283.3 x 217.8 x 14.5 mm (11.15 x 8.57 x 0.57 inches)</td>
</tr>
<tr>
<td>Tablet</td>
<td>Tablet: 283.3 x 203.5 x 8.8 mm (11.15 x 8.01 x 0.34 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: 760 g (1.67lbs)</td>
</tr>
<tr>
<td></td>
<td>Folio keyboard: 340 g (0.75lbs)</td>
</tr>
<tr>
<td></td>
<td>Total: 1,100 g (2.42 lbs)</td>
</tr>
<tr>
<td>Tablet</td>
<td>Tablet: 760 g (1.67 lbs)</td>
</tr>
</tbody>
</table>

Case Color
Black

Case Material
Magnesium-aluminium

Others

- Hinge locking: 170°
- Kensington® Security Slot

Buttons

- Volume button
- Power button

Notes:
1. Surface treatment: Peachskin paint

CONNECTIVITY

Network

WLAN + Bluetooth®
Intel Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, MU-MIMO

WWAN

- Integrated Mobile Broadband 4G LTE-A, CAT9, Fibocom L850-GL, M.2 card
- No support

SIM Card

- Gemalto eSIM
- No SIM card inbox

NFC
ThinkPad X12 Detachable

• Near Field Communication
• No support

**Wi-Fi Direct**
Support (Miracast®)

**Wi-Fi Display**
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 + GLONASS + A-GPS</td>
</tr>
</tbody>
</table>

**Ports**

**Standard Ports**

- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt 4 / USB4™ 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x Nano-SIM card slot
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Pogo pin connector (8-point)

**Docking**

- ThinkPad® X12 Folio Keyboard with touchpad (pogo pin, detachable), 3-level backlight
- 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 folio keyboard, match-on-chip
- No fingerprint reader

**BIOS Security**

- Supervisor password
- Power-on password
- Hard disk password
- System management password
- Self-healing BIOS

**MANAGEABILITY**
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
- No base warranty

ENVIRONMENTAL

Operating Environment

Temperature
- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 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): 3048 m (10,000 ft)

ACCESSORIES

Bundled Accessories

Lenovo USB-C to Ethernet Adapter
Lenovo USB-C Port Replicator
None

CERTIFICATIONS

Green Certifications

EPEAT™ Gold (tablet mode)
EPEAT Silver (notebook mode)
ENERGY STAR® 8.0
ErP Lot 3
FAA certified
Low Halogen
TCO Certified 8.0
RoHS compliant

Other Certifications

Mil-Spec Test
MIL-STD-810H military test passed