OVERVIEW

1. Power button
2. Volume button
3. Kensington Security Slot
4. Headphone / microphone combo jack (3.5mm)
5. Thunderbolt 4
6. Nano-SIM card slot
7. USB-C 3.2 Gen 2

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 Home 64
- Windows 10 Pro 64
- 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

<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 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 x 2, 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, and 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

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

Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle | Key Features
---|---|---|---|---|---|---|---|---|---|---
12.3" | FHD+ (1920x1280) | Multi-touch | IPS | 400 nits | Anti-reflection, Anti-smudge | 3:2 | 1500:1 | 100% sRGB | 178° | Corning® Gorilla® Glass 5

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 battery
- Lenovo Digital Pen without replaceable battery
- Lenovo Precision Pen, magnetically attached to the system
- No pen (pen needs to be purchased separately)

**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) Folio keyboard: 340 g (0.75lbs) 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**

- 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

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

SECURITY & PRIVACY

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

System Management
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

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

CERTIFICATIONS

Green 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