OVERVIEW

1. Headphone / microphone combo jack (3.5mm)  
2. Thunderbolt 4  
3. Thunderbolt 4  
4. Power button

Notes:
- Optional nano-SIM card slot on the rear side (not shown on the sample product above)
PERFORMANCE

Processor

Processor Family
11th 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 i5-1130G7</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® 11 Pro 64
- Windows 11 Home 64
- Windows 11 DG Windows 10 Pro 64
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 IoT Enterprise LTSC
- Linux
- Ubuntu Linux
- 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 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 (native display and 2 external monitors via Thunderbolt™)
- Thunderbolt supports up 5120x3200@60Hz

Chipset

Chipset
Intel SoC (System on Chip) platform

Memory

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

Memory Slots
Memory soldered to systemboard, no slots, dual-channel

Memory Type
LPDDR4x-4266

Notes:
1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.
2. 8GB memory is NOT available in EMEA.

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>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe® NVMe®, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Notes:
1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

### Removable Storage

**Optical**
None

**Card Reader**
No card reader

### Multi-Media

**Audio Chip**
High Definition (HD) Audio, Realtek® ALC3306 codec

**Speakers**
Stereo speakers, 2W x2 woofers and 1W x2 tweeters, Dolby® Atmos® Speaker System

**Microphone**
Four microphones, quad-array, 360° far-field

**Camera**
IR & 720p hybrid, with privacy shutter, fixed focus

### Battery

**Battery**
Integrated Li-Polymer 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

**Max Battery Life**
- MobileMark® 2018: 13.6 hr
- JEITA 2.0: 22.87 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**
- 65W USB-C® slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter

Notes:
1. AC adapter offerings depend on the country.
2. No power adapter is for special bid only.

### 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>

---

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### Touchscreen
- Capacitive-type on-cell multi-touch, supports 10-point touch
- Non-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

**Keyboard**
- 6-row, spill-resistant, multimedia Fn keys with Unified Communications controls

**Keyboard Backlight**
- LED backlight

**UltraNav™**
- TrackPoint® pointing device and glass surface multi-touch touchpad

---

### Mechanical

#### Dimensions (WxDxH)

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch models</td>
<td>292.9 x 207.8 x 14.27-17.2 mm (11.53 x 8.18 x 0.56-0.68 inches)</td>
</tr>
<tr>
<td>Non-touch models</td>
<td>292.8 x 207.7 x 13.87-16.7 mm (11.53 x 8.18 x 0.55-0.66 inches)</td>
</tr>
</tbody>
</table>

#### Weight

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-touch with Wi-Fi® models</td>
<td>Around 907 g (1.99 lbs)</td>
</tr>
<tr>
<td>Non-touch with WWAN models</td>
<td>Around 939 g (2.07 lbs)</td>
</tr>
<tr>
<td>Touch with Wi-Fi models</td>
<td>Around 969 g (2.14 lbs)</td>
</tr>
<tr>
<td>Touch with WWAN models</td>
<td>Around 1001 g (2.21 lbs)</td>
</tr>
</tbody>
</table>

#### Case Color**
- Black, paint
- Black, weave

#### Case Material
- Carbon fiber (top), magnesium alloy (bottom)

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Notes:
1. The system dimensions and weight vary depending on configurations.

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### CONNECTIVITY

**Network**

**Onboard Ethernet**[1]
- No Ethernet

**WLAN + Bluetooth®**[2][3]
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2

**WWAN**[4]
- Wireless WAN upgradable to 4G or 5G (with antenna ready)
- Integrated Mobile Broadband 4G LTE-A, CAT9, Fibocom L850-GL, M.2 card
• Qualcomm® Snapdragon™ X55 5G Sub-6 GHz Modem-RF System, M.2 card, with embedded eSIM functionality
• No support

SIM Card
• Gemalto eSIM
• No SIM card inbox

NFC
No support

Notes:
1. Ethernet support via optional Lenovo USB-C to Ethernet Adapter
2. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
3. Wi-Fi 6 full features might be limited by country-level restrictions.
4. For non-WWAN model, it means the model is NOT WWAN upgradable.

Ports

Standard Ports
• 2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4a)
• 1x Headphone / microphone combo jack (3.5mm)

Optional Ports
1x Nano-SIM card slot (WWAN support models)

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 3/4: 40 Gbit/s

Docking

Docking
Various docking solutions supported via Thunderbolt / USB-C.
For more compatible docking solutions, please visit Docking for ThinkPad® X1 Nano Gen 1

Monitor Cable

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

SECURITY & PRIVACY

Security

Security Chip
Discrete TPM 2.0, TCG certified

Smart Card Reader
No smart card reader

Fingerprint Reader
Touch style fingerprint reader on palm rest, match-on-chip

BIOS Security
• Power-on password
• Supervisor password
• Hard disk password
• Firmware Resiliency 2.0

Other Security
• ThinkShutter camera cover
• (Optional) IR camera for Windows Hello
MANAGEABILITY

System Management

System Management

- Intel vPro
- Non-vPro

Notes:

1. Intel vPro offers a superset of DASH's defined capabilities.

SERVICE

Warranty

Base Warranty

- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) depot service
- 3-year (1-yr battery) limited onsite service
- No base warranty

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 and transportation in original shipping package: -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)

Notes:

1. When you charge the battery, its temperature must be no lower than 10°C (50°F).

ACCESSORIES

Bundled Accessories

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

CERTIFICATIONS

Green Certifications
- EPEAT™ Gold
- ENERGY STAR® 8.0
- TCO Certified
- RoHS compliant

**Other Certifications**

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

(Optional) Intel Evo™ Platform

• 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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