OVERVIEW

1. 2x Thunderbolt 4
2. Power button
3. Headphone / microphone combo jack (3.5mm)
4. Kensington Nano Security Slot

Notes:
- Optional nano-SIM card slot on the left 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

<table>
<thead>
<tr>
<th>Operating System**</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Windows® 11 Pro 64</td>
</tr>
<tr>
<td>• Windows 11 Home 64</td>
</tr>
<tr>
<td>• Windows 11 Home 64 Single Language</td>
</tr>
<tr>
<td>• Windows 11 DG Windows 10 Pro 64</td>
</tr>
<tr>
<td>• Windows 10 Pro 64</td>
</tr>
<tr>
<td>• Windows 10 Home 64</td>
</tr>
<tr>
<td>• Windows 10 Home 64 Single Language</td>
</tr>
<tr>
<td>• Linux</td>
</tr>
<tr>
<td>• Ubuntu Linux</td>
</tr>
<tr>
<td>• No operating system</td>
</tr>
</tbody>
</table>

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® 12.1</td>
</tr>
</tbody>
</table>

Monitor Support

<table>
<thead>
<tr>
<th>Monitor Support**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supports up to 3 independent displays (native display and 2 external monitors via Thunderbolt™️)</td>
</tr>
<tr>
<td>• Thunderbolt supports up 5120x3200@60Hz</td>
</tr>
</tbody>
</table>

Chipset

<table>
<thead>
<tr>
<th>Chipset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel SoC (System on Chip) platform</td>
</tr>
</tbody>
</table>

Memory

<table>
<thead>
<tr>
<th>Max Memory**</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 8GB soldered memory, not upgradable</td>
</tr>
<tr>
<td>• 16GB soldered memory, not upgradable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Memory Slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory soldered to systemboard, no slots, dual-channel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Memory Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPDDR4x-4266, PoP (Package on Package) memory</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Storage Support*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>
One drive, up to 1TB M.2 2242 SSD

<table>
<thead>
<tr>
<th>Storage Type</th>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<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® ALC3286 codec

Speakers
Stereo speakers, 2W x2, Dolby® Atmos®

Microphone
Four microphones, quad-array

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

Sensor

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

Battery

Battery
Integrated Li-Polymer 44.5Wh battery

Max Battery Life
MobileMark® 2018: 11.7 hr
JEITA 2.0: 16.8 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

Notes:
1. AC adapter offerings depend on the country.

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>Color Gamut</th>
<th>Viewing Angle</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.5”</td>
<td>QHD (2256x1504)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>450 nits</td>
<td>Anti-reflection, Anti-smudge</td>
<td>3:2</td>
<td>1200:1</td>
<td>72% NTSC</td>
<td>170°</td>
<td>Dolby Vision™</td>
</tr>
</tbody>
</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

### Multi-mode

**Multi-mode**
Laptop, tent, stand, and tablet modes supported by 360° hinge

### Input Device

**Pen**
- Lenovo Precision Pen, 4096 levels of pressure sensitivity, magnetically attached to the system. For more information, please read [Lenovo Precision Pen Overview](#).
- No pen (pen sold separately)

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

**Keyboard Backlight**
LED backlight

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

### Mechanical

**Dimensions (WxDxH)**
297.5 x 232.7 x 11.5 mm (11.71 x 9.16 x 0.45 inches)

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLAN models</td>
<td>Starting at 1.15 kg (2.54 lbs)</td>
</tr>
<tr>
<td>WWAN models</td>
<td>Starting at 1.18 kg (2.60 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**
Titanium

**Case Material**
Titanium + carbon fiber (top), magnesium-aluminium (bottom)

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

### CONNECTIVITY

### Network

**Onboard Ethernet**
- No Ethernet

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

- Fibocom L850-GL, 4G LTE CAT9, 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.

Ports[^1]

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 Titanium Yoga® Gen 1](#)

Monitor Cable

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

Physical Locks
Kensington® Nano Security Slot

Smart Card Reader
No smart card reader

Fingerprint Reader
Touch style fingerprint reader on the top right of keyboard bezel with Prometheus slim type sensor, match-on-chip

BIOS Security
- Power-on password
- Supervisor password
NVMe password
Self-healing BIOS

Other Security
- Camera privacy shutter
- IR camera for Windows Hello
- Human Presence Detection

MANAGEABILITY

System Management
System Management\(^{[1]}\)
- Intel vPro
- Non-vPro

Notes:
1. Intel vPro offers a superset of DASH’s defined capabilities.

SERVICE

Warranty
Base Warranty\(^{[2]}\)
- 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\(^{[1]}\)
- 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
Bundled Accessories\(^{[3]}\)
- Lenovo USB-C to Ethernet Adapter
- Lenovo USB-C to USB-A 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

(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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