## OVERVIEW

<table>
<thead>
<tr>
<th>Number</th>
<th>Port/Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power button</td>
</tr>
<tr>
<td>2</td>
<td>USB-C 3.2 Gen 1</td>
</tr>
<tr>
<td>3</td>
<td>USB 3.2 Gen 1</td>
</tr>
<tr>
<td>4</td>
<td>Headphone / microphone combo jack (3.5mm)</td>
</tr>
<tr>
<td>5</td>
<td>Ethernet (RJ-45)</td>
</tr>
<tr>
<td>6</td>
<td>Kensington Security Slot</td>
</tr>
<tr>
<td>7</td>
<td>4x USB 3.2 Gen 1</td>
</tr>
<tr>
<td>8</td>
<td>HDMI 1.4</td>
</tr>
<tr>
<td>9</td>
<td>DisplayPort 1.2</td>
</tr>
<tr>
<td>10</td>
<td>Power connector</td>
</tr>
</tbody>
</table>
PERFORMANCE

Processor

Processor Family

10th Generation Intel® Core™ i3 / 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>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i3-10100</td>
<td>4</td>
<td>8</td>
<td>3.6GHz</td>
<td>4.3GHz</td>
<td>6MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i3-10100T</td>
<td>4</td>
<td>8</td>
<td>3.0GHz</td>
<td>3.8GHz</td>
<td>6MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i5-10400</td>
<td>6</td>
<td>12</td>
<td>2.9GHz</td>
<td>4.3GHz</td>
<td>12MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i5-10400T</td>
<td>6</td>
<td>12</td>
<td>2.0GHz</td>
<td>3.6GHz</td>
<td>12MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i7-10700T</td>
<td>8</td>
<td>16</td>
<td>2.0GHz</td>
<td>4.5GHz</td>
<td>16MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics 630</td>
</tr>
</tbody>
</table>

Operating System

Operating System**

- Windows® 10 Pro 64
- Windows 10 Home 64
- Windows 10 Home in S mode
- Windows 11 Pro 64
- Windows 11 Home 64
- No operating system

Graphics

Graphics[1]

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Connector</th>
<th>Max Resolution</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel UHD graphics 630</td>
<td>Integrated</td>
<td>Shared</td>
<td>1x HDMI® 1.4, 1x DP 1.2</td>
<td>3840x2160@30Hz(HDMI), 3840x2160@60Hz(DP)</td>
<td>DirectX® 12</td>
</tr>
</tbody>
</table>

Notes:

1. The information of integrated graphics are not applicable for the models without integrated graphics (for the details, please refer to processor section)

Monitor Support

Monitor Support

Supports up to 2 independent displays via onboard ports (DP + HDMI)

Chipset

Chipset

Intel H470 chipset

Memory

Max Memory[1]

Up to 32GB DDR4-2933

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type[2]

- DDR4-2666
- DDR4-2933

Memory Protection

Non-ECC

Notes:
The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

1. Installed memory is actually 2666MHz or 2933MHz, but may run at 2666MHz or 2933MHz depending on the memory support capability of processor

Storage
Storage Support
Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
• 2.5" HDD up to 2TB
• M.2 SSD up to 1TB
• Optional Intel Optane™ Memory, M.2

<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>2.5&quot; SATA HDD</td>
<td>SATA 6Gb/s</td>
<td>5.4K</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Intel Optane Memory</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

RAID
No support

Removable Storage
Optical
None
Card Reader
No card reader

Multi-Media
Audio Chip
High Definition (HD) Audio, Realtek® ALC233VB codec
Speakers
No speakers

Power Supply
Power Supply**

<table>
<thead>
<tr>
<th>Power</th>
<th>Type</th>
<th>Efficiency</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>90W</td>
<td>Adapter</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>130W</td>
<td>Adapter</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

DESIGN
Input Device
Keyboard
No keyboard
Mouse
No mouse

Mechanical
Form Factor
Tiny (1L)
Dimensions (WxDxH)

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
(All models) 194 x 182.4 x 40 mm (7.64 x 7.18 x 1.57 inches)

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models</td>
<td>1.478 kg (3.258 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**

- Mineral grey
- Terrazzo grey

**Bays**

1x 2.5" disk bay

**Expansion Slots**

Two M.2 slots (one for WLAN, one for SSD)

**CONNECTIVITY**

**Network**

**Onboard Ethernet**

Gigabit Ethernet, 1x RJ45

**WLAN + Bluetooth®**

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card

**Ports**

**Front Ports**

- 1x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 1
- 1x headphone / microphone combo jack (3.5mm)

**Rear Ports**

- 4x USB 3.2 Gen 1
- 1x HDMI 1.4
- 1x DisplayPort™ 1.2
- 1x Ethernet (RJ-45)
- 1x power connector

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. For video ports on discrete graphics, please see graphics section

**SECURITY & PRIVACY**

**Security**

**Physical Locks**

Kensington® Security Slot

**BIOS Security**

- Administrator password
- Power-on password
- Hard disk password

**SERVICE**
Warranty

Base Warranty**
- 1-year mail-in service
- 1-year depot service
- 2-year depot service

ENVIRONMENTAL

Operating Environment

Temperature
Storage: -40°C (-40°F) to 60°C (140°F)

Humidity
- Operating: 20% to 80%
- Storage: 10% to 90%

Altitude
- Operating: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications

ENERGY STAR® 8.0
ErP Lot 3
RoHS compliant

- 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.
- Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION “AS IS,” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.