### OVERVIEW

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<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® 11 Pro 64
- Windows 11 Home 64
- Windows 11 Home in S mode
- Windows 10 Pro 64
- Windows 10 Home 64
- Windows 10 Home in S mode
- No operating system

**Graphics**

**Graphics**

<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®, 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**

Up to 32GB DDR4-2933

**Memory Slots**

Two DDR4 SO-DIMM slots, dual-channel capable

**Memory Type**

- DDR4-2666
- DDR4-2933

**Memory Protection**

Non-ECC
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. 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

Storage Type**

<table>
<thead>
<tr>
<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>
</tr>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe NVMe*</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Intel Optane Memory</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

RAID
No support

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® 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)
194 x 182.4 x 40 mm (7.64 x 7.18 x 1.57 inches)

Weight
Around 1.478 kg (3.258 lbs)

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 RJ-45

WLAN + Bluetooth®*[1]
- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

Notes:
1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

Ports*[1]

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

Rear Ports*[2]
- 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™ 3/4: 40 Gbit/s
2. For video ports on discrete graphics, please see graphics section

SECURITY & PRIVACY

Security

Physical Locks
Kensington® Security Slot, 3 x 7 mm

BIOS Security
- Administrator password
- Power-on password
Hard disk password

SERVICE

Warranty

Base Warranty**[1]

- 1-year mail-in service
- 1-year depot service
- 1-year limited onsite service
- 2-year depot service
- 3-year depot service
- OB

Notes:
1. More information of warranty policy, please access https://pcsupport.lenovo.com/warranty

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: 0 m (0 ft) to 3048 m (10,000 ft)
- Storage: 0 m (0 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green 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.
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