PERFORMANCE

Processor

Processor Family
9th 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 i3-9100T</td>
<td>4</td>
<td>4</td>
<td>3.1GHz</td>
<td>3.7GHz</td>
<td>6MB</td>
<td>DDR4-2400</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i5-9400T</td>
<td>6</td>
<td>6</td>
<td>1.8GHz</td>
<td>3.4GHz</td>
<td>9MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
<tr>
<td>Core i7-9700T</td>
<td>8</td>
<td>8</td>
<td>2.0GHz</td>
<td>4.3GHz</td>
<td>12MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
</tr>
</tbody>
</table>

Operating System
• Windows® 10 Home 64
• Windows 10 Pro 64

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 1.4</td>
<td>1920x1080@60Hz (HDMI)</td>
<td>DirectX 12</td>
</tr>
<tr>
<td>AMD Radeon™ RX 560X</td>
<td>Discrete</td>
<td>4GB GDDR5</td>
<td>1x HDMI 1.4</td>
<td>4096x2160@60Hz (HDMI)</td>
<td>DirectX 12</td>
</tr>
</tbody>
</table>

 Notes:
• Integrated graphics information and onboard video ports information are not applicable for all models without integrated graphics (for the details, please refer to processor section)

Monitor Support
Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI; work as standalone monitor via optional HDMI (HDMI in)

Chipset
Intel B360 chipset

Memory

Memory Type
DDR4-2666

 Notes:
• Installed memory is actually 2666MHz, but may run at 2400MHz or 2666MHz depending on the memory support capability of processor

Memory Slots
Two DDR4 SO-DIMM slots

Memory Protection
Non-ECC

Max Memory
Up to 16GB DDR4-2666

 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.

Storage

Storage Support
Up to 2 drives, 1x 2.5" HDD + 1x M.2 SSD
• 2.5" HDD up to 2TB
• M.2 SSD up to 1TB
ideacentre A540-27ICB

- Optional Intel Optane™ Memory

RAID
Not support

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

Removable Storage
Optical
- USB external DVD burner (DVD±RW), slim (9.0mm)
- Not configured

Card Reader
3-in-1 card reader (SD, SDHC, SDXC)

Multi-Media
Audio Chip
High Definition (HD) Audio

Speakers
Stereo speakers, 3W x2 + 5W

Microphone
Dual array microphone

Camera
- 1080p, fixed focus
- IR & 1080p, fixed focus

Power Supply

<table>
<thead>
<tr>
<th>Power</th>
<th>Type</th>
<th>Efficiency</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>120W</td>
<td>Adapter</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>150W</td>
<td>Adapter</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>170W</td>
<td>Adapter</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

DESIGN

Display

<table>
<thead>
<tr>
<th>Display</th>
<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></td>
<td>27&quot;</td>
<td>QHD (2560x1440)</td>
<td>None</td>
<td>IPS</td>
<td>250 nits</td>
<td>Anti-glar</td>
<td>16:9</td>
<td>1000:1</td>
<td>-</td>
<td>horizontal: +/- 89°, vertical: +/- 89°</td>
<td>borderless</td>
</tr>
<tr>
<td></td>
<td>27&quot;</td>
<td>QHD (2560x1440)</td>
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<td>1000:1</td>
<td>-</td>
<td>horizontal: +/- 89°, vertical: +/- 89°</td>
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</tr>
</tbody>
</table>

Notes:
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

Touchscreen
- Advanced In-cell Touch (AIT), supports 10-point touch
• Non-touch

**Input Device**

**Keyboard**
- Lenovo Premium Wireless Keyboard, grey
- Lenovo Calliope Keyboard (USB connector), grey
- Lenovo Calliope Wireless Keyboard, grey
- USB Traditional Keyboard (USB connector), grey

**Mouse**
- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), grey
- Lenovo Calliope Mouse (USB connector), grey
- Lenovo Premium Wireless Mouse, grey

**Mechanical**

**Buttons**
- Power button
- PC/monitor mode switcher

**Form Factor**
AIO (27 inches)

**Dimensions (WxDxH)**

<table>
<thead>
<tr>
<th>Models</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-touch models</td>
<td>614.8 x 200 x 476.03 mm (24.2 x 7.87 x 18.74 inches)</td>
</tr>
<tr>
<td>Touch models</td>
<td>614.8 x 200 x 481.81 mm (24.2 x 7.87 x 18.97 inches)</td>
</tr>
</tbody>
</table>

**Weight**

<table>
<thead>
<tr>
<th>Models</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch models</td>
<td>10.88 kg (23.99 lbs)</td>
</tr>
<tr>
<td>Non-touch models</td>
<td>9.27 kg (20.43 lbs)</td>
</tr>
</tbody>
</table>

**Case Color**
- Mineral grey

**Bays**
- 1x 2.5" disk bay

**Expansion Slots**
- Two M.2 slots (one for WLAN, one for SSD)

**Stand**
- Monitor stand, supports -5° to +25° tilt

**Others**
- Wireless charger
- None

**CONNECTIVITY**

**Network**

**Onboard Ethernet**
- Gigabit Ethernet, 1x RJ45

**WLAN + Bluetooth™**
- 802.11ac 1x1 Wi-Fi + Bluetooth 4.0, M.2 card

**Ports**

**Rear Ports**
- 2x USB 2.0
- 1x USB-C 3.1 Gen 1
- 1x Ethernet (RJ-45)
1x HDMI 1.4 out  
1x HDMI-in

Notes:
• For video ports on discrete graphics, please see graphics section

Bottom Ports
1x power connector

Left Ports
• 2x USB 3.1 Gen 2  
• 1x card reader  
• 1x headphone / microphone combo jack (3.5mm)

Right Ports
None

SECURITY & PRIVACY

Security
BIOS Security
• Power-on password  
• Administrator password

SERVICE

Warranty
Base Warranty
• 1-year mail-in service  
• 1-year depot service  
• 1-year limited onsite service  
• 2-year depot service  
• OB

CERTIFICATIONS

Green Certifications
• ErP Lot 3 Lot 6 Lot 7  
• GREENGUARD®  
• RoHS