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
• Optional Intel Optane™ Memory
RAID
Not support

**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” SATA HDD</td>
<td>SATA 6Gb/s</td>
<td>5.4K</td>
<td>-</td>
</tr>
<tr>
<td>Intel Optane Memory</td>
<td>PCIe NVMe</td>
<td>-</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>
</tbody>
</table>

**Removable Storage**

Optical
• USB external DVD burner (DVD±RW), slim (9.0mm)
• None

**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>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>27&quot;</td>
<td>QHD (2560x1440)</td>
<td>None</td>
<td>IPS</td>
<td>250 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>1000:1</td>
<td>-</td>
<td>horizontal: +/- 89°, vertical: +/- 89°</td>
<td>borderless</td>
</tr>
<tr>
<td>27&quot;</td>
<td>QHD (2560x1440)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>250 nits</td>
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<td>-</td>
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</table>

**Notes:**
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

**Touchscreen**
• Advanced In-cell Touch (AIT), supports 10-point touch
**Input Device**

**Keyboard**
- Lenovo Premium Wireless Keyboard, grey
- Lenovo Calliope Keyboard (USB connector), grey
- Lenovo Calliope Wireless Keyboard, 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
ideacentre A540-27ICB

- 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
- 2-year depot service

CERTIFICATIONS

Green Certifications
- ErP Lot 3 Lot 6 Lot 7
- GREENGUARD®
- RoHS compliant