## Processor

<table>
<thead>
<tr>
<th>Processor</th>
<th>Cores / Threads</th>
<th>Frequency (Base/Max)</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Integrated Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i5-10400</td>
<td>6 / 12</td>
<td>2.9 / 4.3 GHz</td>
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### Memory
- 32GB max, DDR4-2933*, two 288-pin DIMM sockets, dual-channel capable
- * System automatically clocks down for the processors with lower memory controller

### Storage
- Some: Hard Drive / SATA 6.0Gb/s, 3.5", 7200 rpm
- Some: M.2 Solid State Drive (SSD) / PCIe NVMe
- None

### Optical (opt)
- Some: Three onboard SATA 6.0Gb/s connectors

### Media reader
- Optional 3-in-1 media card reader (SD / SDHC / SDXC)

### Graphics
- Some: Intel UHD Graphics 610/630 in processor, one HDMI, one VGA, supports up to 2 independent displays, more displays support via discrete graphics;
  - Max resolution: 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @50Hz
- Some: NVIDIA GeForce RTX 2060, 6GB GDDR6, DirectX 12, one HDMI, three DisplayPort;
  - Max resolution: 7680x4320 (HDMI) @30Hz ; 7680x4320 (DP) @60Hz
- Some: NVIDIA GeForce GTX 1660 SUPER 6GB GDDR6, DirectX 12, one HDMI, one DVI, one DP;
  - Max resolution: 4096x2160 (HDMI) @60Hz; 5120x3200 (DP) @60Hz
  - 2560x1660(DVI) @60Hz
- Some: NVIDIA GeForce GTX 1650 SUPER, 4GB GDDR6, DirectX 12, one HDMI, two DP,
  - Max resolution: 4096x2160 (HDMI) @60Hz; 5120x3200 (DP) @60Hz
  - 2560x1660(DVI) @60Hz
- Some: AMD Radeon RX 5500, 4GB GDDR6, DirectX 12, one HDMI, three DP,
  - Max resolution: 4096x2160@60Hz (HDMI); 7680x4320 (DP) @60Hz;

### Chipset
- Intel B460 platform

### Front ports
- Two USB 3.2 Gen1, one USB 3.2 Type-C Gen1, one headphone / microphone combo jack (3.5mm), optional media reader

### Rear ports
- Four USB 2.0, one VGA, one HDMI, one ethernet (RJ-45), line-out (3.5mm)

### Audio support
- High Definition (HD) Audio Realtek ALC222-CG

### WLAN
- Some: 11ac Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2
- Some: 11ax Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2

### Bluetooth
- Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

### Ethernet
- One gigabit ethernet port

### Security features
- Power-on password, administrator password, hard-disk password

### Mechanical
- Tower (13.6L), Raven Black chassis with Chameleon front bezel
- [(WxDxH) with bezel: 5.71" x 11.5" x 14.37"; 145mm x 292.2mm x 365mm
- Approx 12.79 lb (5.8 kg), weight may vary by configuration
- Optional front panel lighting effect
- Bay 1: 3.5" disk bay
- Bay 2: 2.5" disk bay

### Power supply
- Some: 310 watts, autosensing, 92% PSU
- Some: 380 watts, autosensing, 92% PSU

### Environment
- ENERGY STAR® 8.0 (on some MTs); ErP Lot 3; RoHS-compliant

### Accessories
- For compatible accessories, please go to [http://smartfind.lenovo.com](http://smartfind.lenovo.com)