PERFORMANCE

Processor

Processor Family
10th Generation Intel® Core™ 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 i5-10300H</td>
<td>4</td>
<td>8</td>
<td>2.5GHz</td>
<td>4.5GHz</td>
<td>8MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>Core i7-10750H</td>
<td>6</td>
<td>12</td>
<td>2.6GHz</td>
<td>5.0GHz</td>
<td>12MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System
- Windows® 10 Home 64
- Windows 10 Pro 64
- FreeDOS
- No operating system

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>NVIDIA® GeForce® GTX 1650</td>
<td>Discrete</td>
<td>4GB GDDR6</td>
<td>DirectX® 12</td>
</tr>
<tr>
<td>NVIDIA GeForce GTX 1650 Ti</td>
<td>Discrete</td>
<td>4GB GDDR6</td>
<td>DirectX X 12</td>
</tr>
</tbody>
</table>

Monitor Support

Monitor Support
Supports up to 2 independent displays via native display and 1 external monitor; supports external monitor via HDMI® (up to 4096x2160@60Hz)

Chipset

Chipset
Intel HM470 chipset

Memory

Memory Type
DDR4-2933

Memory Slots
Two DDR4 SO-DIMM slots, dual-channel capable

Max Memory
Up to 16GB DDR4-2933 offering

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.

Storage

Storage Support
Up to two drives, 1x 2.5” HDD + 1x M.2 2242/2280 SSD
? 2.5” HDD up to 1TB
? M.2 2280 SSD up to 1TB
? M.2 2242 SSD up to 512GB

<table>
<thead>
<tr>
<th>Storage 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>
</tbody>
</table>
Removable Storage

Optical
None

Card Reader
No card reader

Multi-Media

Audio Chip
High Definition (HD) Audio

Speakers
Stereo speakers, 1.5W x2, Dolby® Audio™

Microphone
Dual array microphone

Camera
720p, with privacy shutter, fixed focus

Battery

Battery
Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

Max Battery Life
MobileMark® 2014: 9.7 hr

Notes:
1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

Power Adapter

Power Adapter
135W slim tip AC adapter

DESIGN

Display

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>15.6&quot;</td>
<td>FHD (1920x1080)</td>
<td>None</td>
<td>IPS</td>
<td>250 nits</td>
<td>Anti-glare</td>
<td>16:9</td>
<td>-</td>
<td>45% NTSC</td>
<td>-</td>
<td>Refresh rate 120Hz, DC dimmer</td>
</tr>
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<td>45% NTSC</td>
<td>-</td>
<td>Refresh rate 60Hz, DC dimmer</td>
</tr>
</tbody>
</table>

Touchscreen
Non-touch

Notes:
1. 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

Input Device
Keyboard
6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight
Blue LED backlight

Touchpad
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)

Mechanical
Dimensions (WxDxH)
359 x 249.6 x 24.9 mm (14.13 x 9.83 x 0.98 inches)

Weight
2.2 kg (4.8 lbs)

Case Color
• Chameleon blue
• Onyx black

Surface Treatment
IMR

Case Material
PC + ABS (top), PC + ABS (bottom)

CONNECTIVITY

Network
Onboard Ethernet
Gigabit Ethernet

WLAN + Bluetooth™
• 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card
• 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

Ports
Standard Ports
• 1x USB-C 3.2 Gen 1
• 2x USB 3.2 Gen 1
• 1x HDMI 2.0
• 1x Ethernet (RJ-45)
• 1x headphone / microphone combo jack (3.5mm)
• 1x power connector

Notes:
1. Depending on many factors, actual data transfer speed may be lower than theoretical speed

SECURITY & PRIVACY

Security

Physical Locks
No physical locks

Fingerprint Reader
No fingerprint reader

BIOS Security
• Power-on password
• Supervisor password
• Hard disk password

Other Security
Camera privacy shutter

SERVICE

Warranty
Base Warranty
• 1-year depot service
• 1-year depot with 2-year system board service
• 2-year (1-yr battery) depot service

ACCESSORIES

Bundled Accessories
Bundled Accessories
• Lenovo Gaming M100 RGB Mouse (USB connector)
• None

CERTIFICATIONS

Green Certifications
Green Certifications
• ENERGY STAR® 8.0
• ErP Lot 3
• GREENGUARD®
• RoHS compliant