

# Lenovo V510 (15") Platform Specifications

Product Specifications Reference (PSREF)

| Processor                 | 6th Generation Intel® Core™ i3 Processor or<br>7th Generation Intel Core i3 / i5 / i7 Processor   |             |                              |                              |  |  |                          | Dimensions   | <i>WxDxH:</i> 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|---------------------------|---|-------------|------------------------------|------------------------------|--|--|--------------------------|--|---|--|--|--|--------|-------------|-------------|------------------------------|------------------------------|------------------|------|------|-------|-------|
|                           |   |             |                              |                              |  |  |                          | Weight   | 2 kg (4.41 lb)  |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           |   |             |                              |                              |  |  |                          | Case color   | Black texture   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           |   |             |                              |                              |  |  |                          | Case material  | PC/ABS plastic  |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           |   |             |                              |                              |  |  |                          | Media reader   | 4-in-1 reader (MMC, SD, SDHC, SDXC)   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           |   |             |                              |                              |  |  | Ports                    | Two USB 3.0, two USB 2.0 (one Always On), VGA, HDMI, Ethernet (RJ-45), optional Lenovo OneLink+ dock connector |   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           |   |             |                              |                              |  |  | Camera <i>(optional)</i> | 0.3MP or HD720p, fixed focus   |   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           |   |             |                              |                              |  |  | Audio support            | HD Audio, stereo speakers, 1.5W x 2 / optional monaural digital microphone, combo audio/microphone jack        |   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Graphics                  | Intel HD Graphics 520 or 620 in processor only, or<br>Intel HD Graphics 520 or 620 in processor and<br>AMD Radeon R5 M430 or AMD Radeon 530, 2GB memory;<br>supports three independent displays;<br>Max resolution: 3840x2160@30Hz (HDMI); 1920x1200@60Hz (VGA) |             |                              |                              |  |  |                          | Keyboard   | 6-row, multimedia Fn keys, numeric keypad   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Chipset                   | Intel SoC (System on Chip) platform   |             |                              |                              |  |  |                          | Touchpad   | 2-button touchpad, multi-touch  |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Memory                    | 16GB max / 2133MHz DDR4, dual-channel capable,<br>up to 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket   |             |                              |                              |  |  |                          | Security   | Power-on password, hard disk password, supervisor password, security keyhole  |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Display                   | <i>Some:</i> 15.6" (396mm) HD (1366x768), LED backlight,<br>220 nits, 16:9 aspect ratio   |             |                              |                              |  |  |                          | Security chip  | Firmware TPM 2.0, integrated in chipset   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           | <i>Some:</i> 15.6" (396mm) FHD (1920x1080), LED backlight,<br>220 nits, 16:9 aspect ratio   |             |                              |                              |  |  |                          | Fingerprint reader   | <i>Optional:</i> swipe style fingerprint reader on the palm rest  |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
|                           | <i>Some:</i> 15.6" (396mm) FHD (1920x1080), LED backlight,<br>250 nits, 16:9 aspect ratio, IPS  |             |                              |                              |  |  |                          | Internal battery   | Integrated Li-Ion 4-cell (32Wh or 41Wh)   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Multi-touch               | None  |             |                              |                              |  |  |                          | External battery   | <i>Optional:</i> Li-Polymer 2-cell (35Wh) in optical bay  |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Storage                   | <i>Some:</i> M.2 SSD / SATA 6.0Gb/s<br><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high<br><i>Some:</i> SSHD with 8GB NAND flash memory  |             |                              |                              |  |  |                          | Max battery life<br>(MobileMark® 2014)   | <table border="1"> <thead> <tr> <th>Models</th> <th>4-cell 32Wh</th> <th>4-cell 41Wh</th> <th>4-cell 32Wh +<br/>2-cell 35Wh</th> <th>4-cell 41Wh +<br/>2-cell 35Wh</th> </tr> </thead> <tbody> <tr> <td>Max battery life</td> <td>6 hr</td> <td>8 hr</td> <td>12 hr</td> <td>14 hr</td> </tr> </tbody> </table> |  |  |  | Models | 4-cell 32Wh | 4-cell 41Wh | 4-cell 32Wh +<br>2-cell 35Wh | 4-cell 41Wh +<br>2-cell 35Wh | Max battery life | 6 hr | 8 hr | 12 hr | 14 hr |
| Models                    | 4-cell 32Wh   | 4-cell 41Wh | 4-cell 32Wh +<br>2-cell 35Wh | 4-cell 41Wh +<br>2-cell 35Wh |  |  |                          |  |   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Max battery life          | 6 hr  | 8 hr        | 12 hr                        | 14 hr                        |  |  |                          |  |   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| SATA controller           | Serial ATA, SATA 6.0Gb/s support, integrated in processor   |             |                              |                              |  |  |                          | AC adapter   | 45W or 65W AC adapter   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Optical <i>(optional)</i> | DVD burner, 9.0mm high, fixed, tray-in, swappable with optional external battery  |             |                              |                              |  |  |                          | Preload  | <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64<br><ul style="list-style-type: none"> <li>• Adobe® Reader®</li> <li>• Microsoft® Office preloaded; purchase a product key to activate</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> </ul>                  |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Ethernet                  | Gigabit Ethernet connection   |             |                              |                              |  |  |                          | Limited warranty   | 1-year depot repair service   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| WLAN                      | <i>11ac, 1x1 + BT4.1:</i> 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br><i>11ac, 2x2 + BT4.1:</i> 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card  |             |                              |                              |  |  |                          | Environment  | EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |
| Bluetooth™                | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter   |             |                              |                              |  |  |                          |  |   |  |  |  |        |             |             |                              |                              |                  |      |      |       |       |