

# Lenovo V310 (15") Platform Specifications

Product Specifications Reference (PSREF)

Processor	<p><b>V310-15ISK:</b> Intel® Celeron® Processor, Intel Pentium® Processor, or 6th Generation Intel Core™ i3 / i5 / i7 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Cel 3855U</td> <td rowspan="8">2</td> <td rowspan="8">4</td> <td>1.6 GHz</td> <td rowspan="4">-</td> <td>2MB</td> <td rowspan="8">DDR4-2133</td> <td>Intel HD Graphics 510</td> </tr> <tr> <td>Pen 4405U</td> <td>2.1 GHz</td> <td>2MB</td> <td>Intel HD Graphics 520</td> </tr> <tr> <td>i3-6006U</td> <td>2.0 GHz</td> <td rowspan="2">3MB</td> <td>Intel HD Graphics 520</td> </tr> <tr> <td>i3-6100U</td> <td>2.3 GHz</td> </tr> <tr> <td>i5-6200U</td> <td>2.3 GHz</td> <td>2.8 GHz</td> <td rowspan="3">4MB</td> <td>Intel Iris™ Graphics 550</td> </tr> <tr> <td>i5-6267U</td> <td>2.9 GHz</td> <td>3.3 GHz</td> <td>Intel HD Graphics 520</td> </tr> <tr> <td>i7-6500U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>Intel Iris Graphics 550</td> </tr> <tr> <td>i7-6567U</td> <td>3.3 GHz</td> <td>3.6 GHz</td> </tr> </tbody> </table> <p><b>V310-15IKB:</b> 7th Generation Intel Core i3 / i5 / i7 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-7100U</td> <td rowspan="3">2</td> <td rowspan="3">4</td> <td>2.4 GHz</td> <td>-</td> <td rowspan="2">3MB</td> <td rowspan="3">DDR4-2133</td> <td rowspan="3">Intel HD Graphics 620</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> </tr> <tr> <td>i7-7500U</td> <td>2.7 GHz</td> <td>3.5 GHz</td> <td>4MB</td> </tr> </tbody> </table>							Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Cel 3855U	2	4	1.6 GHz	-	2MB	DDR4-2133	Intel HD Graphics 510	Pen 4405U	2.1 GHz	2MB	Intel HD Graphics 520	i3-6006U	2.0 GHz	3MB	Intel HD Graphics 520	i3-6100U	2.3 GHz	i5-6200U	2.3 GHz	2.8 GHz	4MB	Intel Iris™ Graphics 550	i5-6267U	2.9 GHz	3.3 GHz	Intel HD Graphics 520	i7-6500U	2.5 GHz	3.1 GHz	Intel Iris Graphics 550	i7-6567U	3.3 GHz	3.6 GHz	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	i5-7200U	2.5 GHz	3.1 GHz	i7-7500U	2.7 GHz	3.5 GHz	4MB	Storage	<p><i>Some:</i> M.2 SSD / PCIe 3.0 x 2 or SATA 6.0Gb/s</p> <p><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide</p> <p><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high</p> <p><i>Some:</i> SSHD with 8GB NAND flash memory</p> <p>SATA controller: Serial ATA, SATA 6.0Gb/s support, integrated in processor</p> <p>Optical (optional): DVD burner, 9.0mm high, fixed, tray-in, swappable with optional external battery</p> <p>Ethernet: Gigabit Ethernet connection</p> <p>WLAN: 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card</p> <p>Bluetooth™: Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter</p> <p>Dimensions: <i>WxDxH:</i> 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm</p> <p>Weight: 1.85 kg (4.08lb)</p> <p>Case color: Black texture</p> <p>Case material: PC/ABS plastic</p> <p>Media reader: 4-in-1 reader (MMC, SD, SDHC, SDXC)</p> <p>Ports: Two USB 3.0, one USB 2.0, VGA, HDMI, Ethernet (RJ-45), optional Lenovo OneLink+ dock connector</p> <p>Camera (optional): 0.3MP or HD720p, fixed focus</p> <p>Audio support: HD Audio, stereo speakers, 1.5W x 2 / optional monaural digital microphone, combo audio/microphone jack</p> <p>Keyboard: 6-row, multimedia Fn keys, numeric keypad</p> <p>Touchpad: 2-button touchpad, multi-touch</p> <p>Security: Power-on password, hard disk password, supervisor password, security keyhole</p> <p>Security chip: Firmware TPM 2.0, integrated in chipset</p> <p>Fingerprint reader: <i>Optional:</i> swipe style fingerprint reader on the palm rest</p> <p>Internal battery: Integrated Li-Ion 4-cell (32Wh)</p> <p>External battery: <i>Optional:</i> Li-Polymer 2-cell (35Wh) in optical bay</p> <table border="1"> <thead> <tr> <th>Models</th> <th>4-cell 32Wh</th> <th>4-cell 32Wh + 2-cell 35Wh</th> </tr> </thead> <tbody> <tr> <td>Max battery life (MobileMark® 2014)</td> <td>6 hr</td> <td>12 hr</td> </tr> </tbody> </table> <p>AC adapter: 45W or 65W AC adapter</p>	Models	4-cell 32Wh	4-cell 32Wh + 2-cell 35Wh	Max battery life (MobileMark® 2014)	6 hr	12 hr
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Graphics	<p><b>V310-15ISK:</b> Intel HD Graphics 510, 520, or Intel Iris Graphics 550 in processor only, or Intel HD Graphics 510, 520, or Intel Iris Graphics 550 in processor and AMD Radeon™ R5 M430 or AMD Radeon 530, 2GB memory;</p> <p><b>V310-15IKB:</b> Intel HD Graphics 620 in processor only, or Intel HD Graphics 620 in processor and AMD Radeon R5 M430 or AMD Radeon 530, 2GB memory;</p> <p>supports dual independent display; Max resolution: 4096x2160@24Hz (HDMI); 1920x1200@60Hz (VGA)</p>							Preload	<p><i>Some:</i> Windows® 7 Professional 64</p> <p><i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64</p> <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> <p><i>Some:</i> Windows 10 Home 64</p> <p><i>Some:</i> Windows 10 Pro 64</p> <ul style="list-style-type: none"> <li>• Lenovo Companion</li> <li>• Lenovo Setting</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> </ul>																																																																							
Chipset	Intel SoC (System on Chip) platform							Limited warranty	<p><i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 1-year mail-in service</li> <li>• 2-year/1-yr battery depot repair service</li> </ul>																																																																							
Memory	16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket							Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant																																																																							
Display	<p><i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio</p> <p><i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio</p>																																																																															
Multi-touch	None																																																																															