

Lenovo V510 (15") Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 Processor or 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)																																	
<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="4">2</td> <td rowspan="4">4</td> <td>2.4 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="4">DDR4-2133</td> <td>Intel HD Graphics 620</td> </tr> <tr> <td>i5-6200U</td> <td>2.3 GHz</td> <td>2.8 GHz</td> <td>3MB</td> <td>Intel HD Graphics 520</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> <td>3MB</td> <td>Intel HD Graphics 620</td> </tr> <tr> <td>i7-7500U</td> <td>2.7 GHz</td> <td>3.5 GHz</td> <td>4MB</td> <td></td> </tr> </tbody> </table>							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	i5-6200U	2.3 GHz	2.8 GHz	3MB	Intel HD Graphics 520	i5-7200U	2.5 GHz	3.1 GHz	3MB	Intel HD Graphics 620	i7-7500U	2.7 GHz	3.5 GHz	4MB		Ports	Two USB 3.0, two USB 2.0 (one Always On), VGA, HDMI, Ethernet (RJ-45), optional Lenovo OneLink+ dock connector			
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							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 Intel HD Graphics 520 or 620 in processor and AMD Radeon R5 M430 or AMD Radeon 530 or AMD Radeon 530, 2GB memory; supports three independent displays; Max resolution: 3840x2160@30Hz (HDMI); 1920x1200@60Hz (VGA)							Keyboard	6-row, multimedia Fn keys, numeric keypad																																	
								Touchpad	2-button touchpad, multi-touch																																	
Chipset	Intel SoC (System on Chip) platform							Security	Power-on password, hard disk password, supervisor password, security keyhole																																	
	Memory	16GB max / 2133MHz DDR4, dual-channel capable, up to 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket							Security chip	Firmware TPM 2.0, integrated in chipset																																
Display		<i>Some:</i> 15.6" (396mm) HD (1366x768), LED backlight, 220 nits, 16:9 aspect ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), LED backlight, 220 nits, 16:9 aspect ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080), LED backlight, 250 nits, 16:9 aspect ratio, IPS							Fingerprint reader	<i>Optional:</i> swipe style fingerprint reader on the palm rest																																
	Multi-touch	None							Internal battery	Integrated Li-Ion 4-cell (32Wh or 41Wh)																																
Storage		<i>Some:</i> M.2 SSD / SATA 6.0Gb/s <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high <i>Some:</i> SSHD with 8GB NAND flash memory							External battery	<i>Optional:</i> Li-Polymer 2-cell (35Wh) in optical bay																																
	SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in processor							Max battery life <i>(MobileMark® 2014)</i>	<table border="1"> <thead> <tr> <th>Models</th> <th>4-cell 32Wh</th> <th>4-cell 41Wh</th> <th>4-cell 32Wh + 2-cell 35Wh</th> <th>4-cell 41Wh + 2-cell 35Wh</th> </tr> </thead> <tbody> <tr> <td><i>Max battery life</i></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 + 2-cell 35Wh	4-cell 41Wh + 2-cell 35Wh	<i>Max battery life</i>	6 hr	8 hr	12 hr	14 hr																			
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Optical <i>(optional)</i>	DVD burner, 9.0mm high, fixed, tray-in, swappable with optional external battery							AC adapter	45W or 65W AC adapter																																	
Ethernet	Gigabit Ethernet connection							Preload	<i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64		<i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64																															
WLAN	<i>11ac, 1x1 + BT4.1:</i> 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card <i>11ac, 2x2 + BT4.1:</i> 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								<ul style="list-style-type: none"> • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) 																																	
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter							Limited warranty	1-year depot repair service																																	
							Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant																																		

Model	80WQ01UY++
Product	Lenovo V510-15IKB
Machine Type	80WQ
Region	EMEA
Processor	Core i7-7500U (2C, 2.7 / 3.5GHz, 4MB)
Graphics	AMD Radeon 530 2GB
Memory	4GB Soldered + 4GB DIMM
Display	15.6" HD (1366x768)
Multi-touch	None
Storage	1TB 5400rpm
Optical	DVD±RW
Ethernet	100/1000M
WLAN + Bluetooth	11ac, 1x1 + BT4.1
Dock	OneLink+ Dock Connector
Color	Black, Texture
Camera	720p
Microphone	Monaural
Keyboard	Non-backlit
Fingerprint Reader	Fingerprint Reader
Battery	4-cell (32Wh)
Power Adapter	65W
Operating System	Windows 10 Home 64
Warranty	1-year, Depot
Ann Date (mm/yy)	03/17

