

# Lenovo V510 (15") Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 Processor or 7th Generation Intel Core i5 / i7 Processor							Dimensions	<i>WxDxH:</i> 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm													
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	2 kg (4.41 lb)												
	i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	Intel HD graphics 520	Case color	Black texture												
	i5-7200U			2.5 GHz	3.1 GHz	3MB		Intel HD graphics 620	Case material	PC/ABS plastic												
i7-7500U	2.7 GHz			3.5 GHz	4MB																	
Graphics	Intel HD Graphics 520 or 620 in processor only, or Intel HD Graphics 520 or 620 in processor and AMD Radeon R5 M430, 2GB memory; supports three independent displays; Max resolution: 3840x2160@30Hz (HDMI); 1920x1200@60Hz (VGA)							Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)													
Chipset	Intel SoC (System on Chip) platform 16GB max / 2133MHz DDR4, dual-channel capable, up to 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket							Ports	Two USB 3.0, two USB 2.0 (one Always On), VGA, HDMI, Ethernet (RJ-45), optional Lenovo OneLink+ dock connector													
Memory								Camera (optional)	0.3MP or HD720p, fixed focus													
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, 250 nits, 16:9 aspect ratio, IPS							Audio support	HD Audio, stereo speakers, 1.5W x 2 / optional monaural digital microphone, combo audio/microphone jack													
Multi-touch	None							Keyboard	6-row, multimedia Fn keys, numeric keypad													
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							Touchpad	2-button touchpad, multi-touch													
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in processor							Security	Power-on password, hard disk password, supervisor password, security keyhole													
Optical (optional)	DVD burner, 9.0mm high, fixed, tray-in, swappable with optional external battery							Security chip	Firmware TPM 2.0, integrated in chipset													
Ethernet	Gigabit Ethernet connection							Fingerprint reader	<i>Optional:</i> swipe style fingerprint reader on the palm rest													
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							Internal battery	Integrated Li-Ion 4-cell (32Wh or 41Wh)													
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter							External battery	<i>Optional:</i> Li-Polymer 2-cell (35Wh) in optical bay													
								Max battery life (MobileMark® 2014)	<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>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 + 2-cell 35Wh	4-cell 41Wh + 2-cell 35Wh	Max battery life	6 hr	8 hr	12 hr	14 hr
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Max battery life	6 hr	8 hr	12 hr	14 hr																		
								AC adapter	45W or 65W AC adapter													
								Preload	<i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <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>		<i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64 <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>											
								Limited warranty	1-year depot repair service													
								Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant													

<b>Model</b>	<b>80WQ0004++</b>
Product	Lenovo V510-15IKB
Machine Type	80WQ
Region	EMEA
Processor	Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)
Graphics	Integrated Intel HD Graphics 620
Memory	4GB Soldered
Display	15.6" HD (1366x768)
Multi-touch	None
Storage	500GB 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	Integrated 4-cell (32Wh)
Power Adapter	45W
Operating System	Windows 10 Pro 64
Warranty	1-year, Depot
Ann Date (mm/yy)	09/16







