

# Lenovo V510 (15") Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i3 / i5 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								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics									
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520									
	i5-6200U			2.3 GHz	2.8 GHz	3MB											
or 7th Generation Intel Core i3 / i5 / i7 Processor																	
Graphics	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader Ports 4-in-1 reader (MMC, SD, SDHC, SDXC) 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> ) Audio support 0.3MP or HD720p, fixed focus HD Audio, stereo speakers, 1.5W x 2 / optional monaural digital microphone, combo audio/microphone jack								
	i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620									
	i5-7200U			2.5 GHz	3.1 GHz	3MB											
	i7-7500U			2.7 GHz	3.5 GHz	4MB											
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: 4096x2160@24Hz (HDMI); 1920x1200@60Hz (VGA)																	
Chipset	Intel SoC (System on Chip) platform								Security Security chip Firmware TPM 2.0, integrated in chipset Fingerprint reader <i>Optional:</i> swipe style fingerprint reader on the palm rest								
Memory	16GB max / 2133MHz DDR4, dual-channel capable, up to 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket																
Display	Internal battery External battery Max battery life ( <i>MobileMark® 2014</i> )								Integrated Li-Ion 4-cell (32Wh or 41Wh) <i>Optional:</i> Li-Polymer 2-cell (35Wh) in optical bay								
	<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
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													
AC adapter	45W or 65W AC adapter																
Multi-touch	None								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>								
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																
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in processor																
Optical ( <i>optional</i> )	DVD burner, 9.0mm high, fixed, tray-in, swappable with optional external battery																
Ethernet	Gigabit Ethernet connection																
WLAN	11ac, 1x1 + BT4.1: 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card 11ac, 2x2 + BT4.1: 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card																
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																

<b>Model</b>	<b>80WQ0052++</b>
Product	Lenovo V510-15IKB
Machine Type	80WQ
Region	EMEA
Processor	Core i3-6006U (2C, 2.0GHz, 3MB)
Graphics	Integrated Intel HD Graphics 520
Memory	4GB Soldered
Display	15.6" HD (1366x768)
Multi-touch	None
Storage	128GB SSD M.2
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	45W
Operating System	Windows 10 Pro 64
Warranty	1-year, Depot
Ann Date (mm/yy)	11/16







