

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	WxDxH: 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					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							
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)								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						
									Keyboard Touchpad	6-row, multimedia Fn keys, numeric keypad 2-button touchpad, multi-touch						
									Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole Firmware TPM 2.0, integrated in chipset						
Chipset Memory	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								Fingerprint reader	<i>Optional</i> : swipe style fingerprint reader on the palm rest						
									Internal battery	Integrated Li-Ion 4-cell (32Wh or 41Wh)						
									External battery	<i>Optional</i> : Li-Polymer 2-cell (35Wh) in optical bay						
									Max battery life (<i>MobileMark®</i> 2014)	<table><tr><td><i>Models</i></td><td>4-cell 32Wh</td><td>4-cell 41Wh</td><td>4-cell 32Wh + 2-cell 35Wh</td><td>4-cell 41Wh + 2-cell 35Wh</td></tr><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></table>	<i>Models</i>	4-cell 32Wh	4-cell 41Wh	4-cell 32Wh + 2-cell 35Wh	4-cell 41Wh + 2-cell 35Wh	<i>Max battery life</i>
<i>Models</i>	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												
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								AC adapter	45W or 65W AC adapter						
Multi-touch	None															
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								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		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in processor								• Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)					• Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)		
Optical (<i>optional</i>)	DVD burner, 9.0mm high, fixed, tray-in, swappable with optional external battery															
Ethernet	Gigabit Ethernet connection															
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															
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	80WQ01RY++
Product	Lenovo V510-15IKB
Machine Type	80WQ
Region	EMEA
Processor	Core i7-7500U (2C, 2.7 / 3.5GHz, 4MB)
Graphics	Integrated Intel HD Graphics 620
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	Integrated 4-cell (32Wh)
Power Adapter	45W
Operating System	Windows 10 Pro 64
Warranty	1-year, Depot
Ann Date (mm/yy)	10/16







