

# Lenovo V510 (15") Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor,							Storage <i>Some:</i> M.2 SSD / PCIe 3.0 x 2 or SATA 6.0Gb/s <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide <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 (optional) 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 Dimensions <i>WxDxH:</i> 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm Weight 1.9 kg (4.19 lb) Case color Black texture Case material PC/ABS plastic Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Ports Two USB 3.0, two USB 2.0 (one Always On), VGA, HDMI, Ethernet (RJ-45), optional Lenovo OneLink+ dock connector Camera (optional) 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 6-row, multimedia Fn keys, numeric keypad Touchpad 2-button touchpad, multi-touch Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Firmware TPM 2.0, integrated in chipset 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	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Processor Graphics
	Cel 3865U	2	2	1.8 GHz	-	2MB	DDR4-2133		Intel HD Graphics 610
	or 6th Generation Intel Core™ i3 / i5 / i7 Processor,								
	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				
	i5-6300U			2.4 GHz	3.0 GHz				
	i7-6500U			2.5 GHz	3.1 GHz	4MB			
	or 7th Generation Intel Core i3 / i5 / i7 Processor								
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		
i3-7100U	2	4	2.4 GHz	3.0 GHz	3MB	DDR4-2133	Intel HD Graphics 620		
i5-7200U			2.5 GHz	3.1 GHz			Intel HD Graphics 620		
i5-7267U			3.1 GHz	3.5 GHz	4MB		Intel Iris™ Plus Graphics 650		
i7-7500U			2.7 GHz	3.5 GHz			Intel HD Graphics 620		
i7-7567U			3.5 GHz	4.0 GHz			Intel Iris Plus Graphics 650		
Graphics	Intel HD Graphics 520, 610, 620, or Intel Iris Plus Graphics 650 in processor only, or Intel HD Graphics 520, 610, 620, or Intel Iris Plus Graphics 650 in processor AMD Radeon R5 M430, 2GB memory; supports dual independent display; Max resolution: 4096x2160@24Hz (HDMI); 1920x1200@60Hz (VGA)								
	Max battery life (MobileMark® 2014)	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								
Chipset	Intel SoC (System on Chip) platform								
Memory	16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket								
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								
Multi-touch	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), LED backlight, 250 nits, 16:9 aspect ratio, IPS								
	None								
Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) <i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)								
Limited warranty	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 2-year/1-yr battery depot repair service								
Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant								