Lenovo V510 (15") Platform Specifications

Processor	6th Generation Intel® Core™ i5 Processor or 7th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	DDR4-2133	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		

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)
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

Display	*Some:* 15.6" (396mm) HD (1366x768), LED backlight,
	        220 nits, 16:9 aspect ratio
	Some: 15.6" (396mm) FHD (1920x1080), LED backlight,
	        250 nits, 16:9 aspect ratio, IPS

Multi-touch	None
Storage	*Some:* M.2 SSD / SATA 6.0Gb/s *Some:* 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	*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

Dimensions Weight Case color Case material	*WxDxH:* 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm 2 kg (4.41 lb) Black texture PC/ABS plastic
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 *(optional)* Audio support	0.3MP or HD720p, fixed focus 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 Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Firmware TPM 2.0, integrated in chipset *Optional:* swipe style fingerprint reader on the palm rest

Internal battery External battery	Integrated Li-Ion 4-cell *(32Wh or 41Wh)* *Optional:* Li-Polymer 2-cell *(35Wh)* in optical bay

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

Preload	*Some:* 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)
		Some: Windows 10 Home 64
		Some: Windows 10 Pro 64
		• Lenovo Companion
		• Lenovo Setting
		• Microsoft Office preloaded;
		  purchase a product key to activate
		• McAfee® LiveSafe™ (30-day trial)

Limited warranty	1-year depot repair service
Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant

Model	80WQ01S0++
Product	Lenovo V510-15IKB
Machine Type	80WQ
Region	EMEA
Processor	Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)
Graphics	AMD Radeon R5 M430 2GB
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	65W
Operating System	Windows 10 Home 64
Warranty	1-year, Depot
Ann Date (mm/yy)	10/16