

Lenovo V510 (15") 80WQ017L++

Machine Type
80WQ

Region
EMEA

Processor
Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)

Graphics
Integrated Intel HD Graphics 620

Memory
4GB Soldered + 4GB DIMM

Display
15.6" HD (1366x768)

Multi-touch
None

Storage
256GB 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 Home 64

Warranty
1-year, Depot

Ann Date (mm/yy)
09/16

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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Lenovo™

Lenovo V510 (15") Platform Specifications

Product Specifications Reference (PSREF)



Processor	6th Generation Intel® Core™ i3 Processor or 7th Generation Intel Core i3 / i5 / i7 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																												
								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																												
<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-6006U</td> <td rowspan="4">2</td> <td rowspan="4">4</td> <td>2.0 GHz</td> <td rowspan="4">-</td> <td rowspan="4">3MB</td> <td rowspan="4">DDR4-2133</td> <td>Intel HD Graphics 520</td> </tr> <tr> <td>i3-7100U</td> <td>2.4 GHz</td> <td>Intel HD Graphics 620</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> </tr> <tr> <td>i7-7500U</td> <td>2.7 GHz</td> <td>3.5 GHz</td> <td>4MB</td> </tr> </tbody> </table>							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	i3-7100U	2.4 GHz	Intel HD Graphics 620	i5-7200U	2.5 GHz	3.1 GHz	i7-7500U	2.7 GHz	3.5 GHz	4MB	Ports	Two USB 3.0, two USB 2.0 (one Always On), VGA, HDMI, Ethernet (RJ-45), optional Lenovo OneLink+ dock connector			
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i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520																														
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i5-7200U			2.5 GHz				3.1 GHz																														
i7-7500U			2.7 GHz				3.5 GHz	4MB																													
							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																													
Graphics	Intel HD Graphics 520 or 620 in processor only, or Intel HD Graphics 520 or 620 in processor and AMD Radeon R5 M430 or AMD Radeon 530, 2GB memory; supports three independent displays; Max resolution: 3840x2160@30Hz (HDMI); 1920x1200@60Hz (VGA)							Keyboard	6-row, multimedia Fn keys, numeric keypad																												
Chipset	Intel SoC (System on Chip) platform							Touchpad	2-button touchpad, multi-touch																												
Memory	16GB max / 2133MHz DDR4, dual-channel capable, up to 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket							Security	Power-on password, hard disk password, supervisor password, security keyhole																												
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 <i>Some:</i> 15.6" (396mm) FHD (1920x1080), LED backlight, 250 nits, 16:9 aspect ratio, IPS							Security chip	Firmware TPM 2.0, integrated in chipset																												
Multi-touch	None							Fingerprint reader	<i>Optional:</i> swipe style fingerprint reader on the palm rest																												
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 <i>Some:</i> SSHD with 8GB NAND flash memory							Internal battery	Integrated Li-Ion 4-cell (32Wh or 41Wh)																												
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in processor							External battery	<i>Optional:</i> Li-Polymer 2-cell (35Wh) in optical bay																												
Optical (optional)	DVD burner, 9.0mm high, fixed, tray-in, swappable with optional external battery							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																																	
Ethernet	Gigabit Ethernet connection							AC adapter	45W or 65W AC adapter																												
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							Preload	<i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <ul style="list-style-type: none"> • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) 																												
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								<i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64 <ul style="list-style-type: none"> • 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																												

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