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

Lenovo V510 (15") Platform Specifications

Processor	6th Generation Intel® Core™ i3 Processor 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
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520
	i3-7100U			2.4 GHz				
	i5-7200U			2.5 GHz	3.1 GHz			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 or AMD Radeon 530, 2GB memory; supports three independent displays; Max resolution: 3840x2160@30Hz (HDMI); 1920x1200@60Hz (VGA)
Chipset	Intel SoC (System on Chip) platform
Memory	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, 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 *Some:* SSHD with 8GB NAND flash memory
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	*WxDxH:* 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)
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	*Optional:* swipe style fingerprint reader on the palm rest
Internal battery	Integrated Li-Ion 4-cell *(32Wh or 41Wh)*
External battery	*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

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