Lenovo V510 (15") Platform Specifications

Processor

6th Generation Intel® Core™ i3 / i5 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	3MB		

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	-	3MB	DDR4-2133	Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		
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: 4096x2160@24Hz (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, 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

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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January 2017

Model	80WQ01TL++
Product	Lenovo V510-15IKB
Machine Type	80WQ
Region	EMEA
Processor	Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)
Graphics	Integrated Intel HD Graphics 620
Memory	4GB Soldered
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 Pro 64
Warranty	1-year, Depot
Ann Date (mm/yy)	12/16





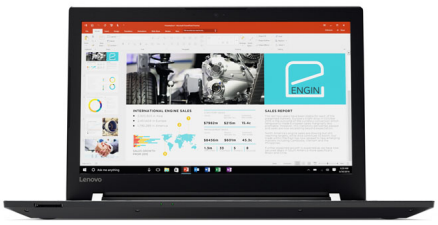

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