Lenovo V510 (14") Platform Specifications

Product Specifications Reference (PSREF)

Processor

6th Generation Intel® Core™ i3 / i5 / i7 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				Intel HD Graphics 620
i5-6200U			2.3 GHz	2.8 GHz			Intel HD Graphics 520
i5-6267U			2.9 GHz	3.3 GHz	4MB		Intel Iris™ Graphics 550
i5-6300U			2.4 GHz	3.0 GHz	3MB		Intel HD Graphics 520
i5-7200U			2.5 GHz	3.1 GHz			Intel HD Graphics 620
i7-6500U					4MB		Intel HD Graphics 520
i7-6567U			3.3 GHz	3.6 GHz			Intel Iris Graphics 550
i7-7500U			2.7 GHz	3.5 GHz			Intel HD Graphics 620

Graphics

Intel HD Graphics 520, 620, or
Intel Iris Graphics 550 in processor only, or
Intel HD Graphics 520, 620, or Intel Iris Graphics 550 in processor and AMD Radeon™ R5 M430 or AMD Redeon 530, 2GB memory; supports two 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,
optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket

Display

Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, IPS

Multi-touch

None

Storage

Some: M.2 SSD / PCIe 3.0 x 2 or SATA 6.0Gb/s
Some: SSD / SATA 6.0Gb/s, 2.5" wide
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: 13.50" x 9.72" x 0.89"; 343mm x 247mm x 22.7mm

Weight

1.65 kg (3.64 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)

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

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*	*4-cell 41Wh + 2-cell*
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

One of the following, configurable by model:
- 1-year depot repair service
- 2-year/1-yr battery depot repair service

Environment

EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant

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