# 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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| 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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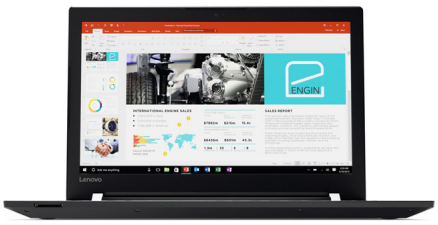












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