



Lenovo V510 Intel® Core™ i5 i5-7200U Laptop 15.6" HD 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Pro Black

Brand : Lenovo

Article code: 80WQ0000MX

Product name : V510

Intel Core i5-7200U (3M Cache, 2.5GHz), 8GB DDR4, 256GB SSD, 15.6" HD LED (1366x768), Intel HD Graphics 620, Gigabit Ethernet, Wi-Fi 802.11 ac, Bluetooth, Windows 10 Pro 64-bit
Lenovo V510. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-7200U, Processor frequency: 2.5 GHz. Display diagonal: 15.6", HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD, Optical drive type: DVD±RW. Operating system installed: Windows 10 Pro. Product color: Black



Design		Keyboard	
Product type *	Laptop	Numeric keypad *	✓
Product color *	Black	Keyboard backlight	✗
Form factor *	Clamshell	Windows keys	✓
Display		Software	
Display diagonal *	15.6"	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Operating system installed *	Windows 10 Pro
Touchscreen *	✗	Processor special features	
HD type	HD	Intel® Wireless Display (Intel® WiDi)	✓
LED backlight	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Native aspect ratio	16:9	Intel® Smart Response Technology	✓
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor generation	7th gen Intel® Core™ i5	Intel® Small Business Advantage (Intel® SBA)	✓
Processor model *	i5-7200U	Enhanced Intel SpeedStep Technology	✓
Processor cores	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel Clear Video Technology	✓
Processor boost frequency	3.1 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	2.5 GHz	Intel® Insider™	✓
System bus rate	4 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	3 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket	BGA 1356	Intel Trusted Execution Technology	✗
Processor lithography	14 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Kaby Lake	Intel® Secure Key	✓
Bus type	OPI	Intel TSX-NI	✗
Stepping	H0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.7 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7.5 W		
Configurable TDP-down frequency	0.8 GHz		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		
PCI Express slots version	3.0		

Processor		Processor special features	
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Stable Image Platform Program (SIPP)	✗
ECC supported by processor	✗	Intel® OS Guard	✓
Memory		Intel Software Guard Extensions (Intel SGX)	✓
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory type	DDR4-SDRAM	Intel 64	✓
Memory clock speed	2133 MHz	Execute Disable Bit	✓
Memory form factor	On-board + SO-DIMM	Idle States	✓
Memory slots	1x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	16 GB	Processor package size	42 x 24 mm
Storage		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Total storage capacity *	256 GB	Processor code	SR2ZU
Storage media *	SSD	CPU configuration (max)	1
Number of SSDs installed	1	Embedded options available	✗
SSD capacity	256 GB	Graphics & IMC lithography	14 nm
SSD form factor	M.2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	DVD±RW	Intel Identity Protection Technology version	1.00
Card reader integrated	✓	Intel Smart Response Technology version	1.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Stable Image Platform Program (SIPP) version	0.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	Not available	Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✗	Processor ARK ID	95443
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 620	Battery	
On-board graphics card base frequency	300 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card dynamic frequency (max)	1000 MHz	Number of battery cells	4
Maximum on-board graphics card memory	32 GB	Battery capacity *	32 Wh
On-board graphics card DirectX version	12.0	Battery life (max)	6 h
On-board graphics card OpenGL version	4.4	Power	
On-board graphics card ID	0x5916	AC adapter power	45 W
Audio		DC-in jack	✓
Number of built-in speakers	2	Security	
Speaker power	1.5 W	Cable lock slot	✓
Built-in microphone	✓	Fingerprint reader	✓
Camera		Trusted Platform Module (TPM)	✓
Front camera	✓	Password protection	✓
Front camera signal format	720p	Password protection type	HDD, Power on, Supervisor
Network		Certificates	
Wi-Fi	✓	Compliance certificates	RoHS
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Sustainability	
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Sustainability certificates	EPEAT Silver, ENERGY STAR
Ethernet LAN	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width	15" (380 mm)
Bluetooth	✓	Depth	10.3" (262 mm)
Bluetooth version	4.1	Height	0.902" (22.9 mm)
Ports & interfaces		Weight *	4.19 lbs (1.9 kg)
USB 2.0 ports quantity *	2	Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		
DVI port	✗		

Ports & interfaces		Packaging content	
VGA (D-Sub) ports quantity	1	Manual	✓
Combo headphone/mic port	✓	Power cord included	✓
Docking connector	✓	Other features	
USB Sleep-and-Charge	✓	LightScribe	✗
USB Sleep-and-Charge ports	1	Intel segment tagging	Home office, Small Business
Keyboard			
Pointing device	Touchpad		

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.