Lenovo V510z Platform Specifications

Processor

Intel® Pentium® or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Celeron G3900T	2 / 2	2.6 G	2 MB	DDR4-2133	HD 510
Celeron G3930T	2 / 2	2.7 G	2 MB	DDR4-2133	HD 610
Pentium G4400T	2 / 2	2.9 G	3 MB	DDR4-2133	HD 510
Pentium G4560T	2 / 4	2.9G	3 MB	DDR4-2400	HD 610
Core i3-6100T	2 / 4	3.2 G	3 MB	DDR4-2133	HD 530
Core i5-6400T	4 / 4	2.2 G / 2.8 G	6 MB	DDR4-2133	HD 530
Core i7-6700T	4 / 8	2.8 G / 3.6 G	8 MB	DDR4-2133	HD 530
Core i3-7100T	2 / 4	3.4G	3 MB	DDR4-2400	HD 630
Core i5-7400T	4 / 4	2.4G / 3.0G	6 MB	DDR4-2400	HD 630
Core i7-7700T	4 / 8	2.9G / 3.8G	8 MB	DDR4-2400	HD 630

Memory

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable
* System clocks down for the processors with lower memory controller

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: M.2 Solid State Drive (SSD) / PCIe interface, NVMe

Optical

Some: DVD burner, SATA 1.5Gb/s, 9.5mm high

Media reader

6-in-1 media card reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, and **optional NVIDIA GeForce® 940MX**, 2GB memory, DirectX 12, external monitor support via HDMI out;
Max resolution: 1920x1080 (HDMI)@60Hz

Display

23" (584.2mm) **Full HD 1080p (1920x1080)**, Wide Viewing Angle (horizontal: +/- 89°; vertical: +/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, borderless design, work as standalone monitor via HDMI in

Multi-touch

Optional multi-touch (10-point), Advanced In-Cell Touch (AIT) technology

Camera

Some: 720p camera, with dual digital microphone, LED indicator, with privacy camera cover
Some: 1080p IR camera, with dual digital microphone, LED indicator

Controls

Power on/off button on right side

Chipset

Intel H110 Chipset

Rear ports

Three USB 2.0, ethernet (RJ-45), HDMI in port, HDMI out port

Side ports

Two USB 3.0, optional card reader, headphone / microphone combo jack (3.5mm)

M.2 card slot

Two M.2 Card slots (one for WLAN, one for M.2 SSD)

Audio support

High Definition (HD) Audio, Realtek ALC233 / two internal speakers (3W x 2)

WLAN[13]

Some: 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®

Manageability

None

Security chip

None

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks back cover)
- Smart USB protection, allows keyboard/ mouse only, blocks all storage devices
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

Keyboard

Some: Lenovo Slim USB Keyboard (USB connector), black
Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Optical USB Mouse, black, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Black and business grey color
- Support VESA mount (100mm)
- Toolless back cover, memory, M.2 SSD, optical removal

	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments
Without stand:	20.7 X 1.9 X 13.3 (inch); 525.5 X 49.1 X 338.8 (mm)	11.0 / 5.00	N/A
With Monitor stand:	20.7 X 9.0 X 16.7 (inch); 525.5 X 227.9 X 423.3 (mm)	14.1 / 6.39	Tilt: 24° back, -5° forward Swivel: +/-45°
With UltraFlex II stand:	20.7 X 9.4 X 16.2 (inch); 525.5 X 238.6 X 410.4 (mm)	16.7 / 7.58	Tilt: 61° back, -5° forward; Lift: 160mm; Swivel: +/-45°

Power supply

Some: 90 watts external adapter, autosensing, 88% PSU (for integrated models)
Some: 120 watts external adapter, autosensing, 89% PSU (for discrete models)

Limited warranty[3]

Some: **1-year** or **3-year**, **depot repair service**
Some: **1-year** or **3-year**, **limited onsite service**
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit
Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)

Preloaded applications (only some listed)

- Lenovo Rescue System
- Driver and Application Installation
- Lenovo Solution Center
- McAfee® LiveSafe™ (30-day trial)
- Microsoft® Office preloaded; purchase a product key to activate
- Lenovo Companion

Environment

ENERGY STAR® 6.1 (Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com/**

See footnotes for more detailed information

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Model	10NH000Yxx
Product	Lenovo V510z AIO
Region	EAST
Machine Type	10NH
TopSeller	TopSeller
Processor	Core i7-6700T (4C, 2.8 / 3.6GHz, 8MB)
Graphics	NVIDIA GeForce 940MX 2GB
Memory	8GBx1
Display	23" FHD (1920x1080)
Multi-touch	None
Storage	1TB 5400rpm 2.5"
Optical	DVD±RW
Media Reader	6-in-1
WLAN + Bluetooth	QCA6174 ac, 2x2 + BT4.1
Camera	720p
Keyboard / Mouse	2.4G / 2.4G
Stand	Monitor Stand
Color	Black / Business Grey
Power Supply	120W 89% Adapter
Operating System	None
Warranty	1-year, Depot
Global	No
End of Support	Nov 30, 2022
Ann Date (mm/yy)	10/16


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City Bulletin
Tech Analysis
Business
Sport
Review
Honey bees task
Stratford has a make-over
Spain to slash car tax
The 5th European country to cut car tax for electric car owners as pollution rises











