

# Lenovo V510z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Pentium® or 6th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability None Security chip None Security features <ul style="list-style-type: none"> <li>• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks back cover)</li> <li>• Power-on, admin, hard disk password</li> <li>• Boot sequence control</li> <li>• Boot without keyboard and mouse</li> <li>• Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> <li>• Individual USB port disablement</li> </ul>
	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	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe interface, NVMe						
Optical Media reader	<i>Some:</i> DVD burner, SATA 1.5Gb/s, 9.5mm high 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; <i>Max resolution:</i> 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 Camera	Optional multi-touch (10-point), Advanced In-Cell Touch (AIT) technology <i>Some:</i> 720p camera, with dual digital microphone, LED indicator, with privacy camera cover <i>Some:</i> 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 <sup>13</sup>	<i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821AE (dual band), Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2						
Bluetooth™ Ethernet	<i>Some:</i> Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®						
Keyboard	<i>Some:</i> Lenovo Slim USB Keyboard (USB connector), black <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black						
Mouse	<i>Some:</i> Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black						
Mechanical	<ul style="list-style-type: none"> <li>• Black and business grey color</li> <li>• Support VESA mount (100mm)</li> <li>• Toolless back cover, memory, M.2 SSD, optical removal</li> </ul>						
		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	<i>Some:</i> 90 watts external adapter, autosensing, 88% PSU (for integrated models) <i>Some:</i> 120 watts external adapter, autosensing, 89% PSU (for discrete models)						
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year</b> or <b>3-year, depot repair service</b> <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> <i>For Lenovo service upgrade options, please go to S-TC sheet</i>						
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)						
	<b>Preloaded applications</b> (only some listed) <ul style="list-style-type: none"> <li>• Lenovo Rescue System</li> <li>• Driver and Application Installation</li> <li>• Lenovo Solution Center</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> <li>• Microsoft® Office preloaded; purchase a product key to activate</li> <li>• Lenovo Companion</li> </ul>						
Environment	ENERGY STAR® 6.1 (Need 85% PSU and Windows OS); ErP Lot 3; GREENGUARD®; RoHS-compliant						
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com/">http://www.lenovoquickpick.com/</a>						

See footnotes for more detailed information

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