

Lenovo V520 Tower 10NK002M++

Region
EMEA

Machine Type
10NK

TopSeller
TopSeller

Processor
Core i3-7100 (2C, 3.9GHz, 3MB)

Graphics
Integrated Intel HD Graphics 630

Memory
8GBx1

Storage
256GB SSD M.2 PCIe NVMe

Optical
DVD±RW

Media Reader
7-in-1

WLAN + Bluetooth
None

Optional Rear Ports
None

Speaker
None

Keyboard / Mouse
USB / USB

Bundled Monitor
None

Power Supply
180W 85%

ENERGY STAR
ENERGY STAR 6.1

Operating System
Windows 10 Pro 64

Warranty
1-year, Onsite

Global
No

End of Support
Aug 1, 2023

Ann Date (mm/yy)
03/17

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<http://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.

© Lenovo, 2018. All rights reserved.



Lenovo V520-15IKL Tower Platform Specifications

Product Specifications Reference (PSREF)



Processor	Intel® Celeron®, Intel Pentium®, or 6/7th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability	None																																																												
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Support (Up to)</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Celeron G3930</td> <td>2 / 2</td> <td>2.9G</td> <td>2 MB</td> <td>DDR4-2133</td> <td>HD 610</td> </tr> <tr> <td>Pentium G4400</td> <td>2 / 2</td> <td>3.3G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 510</td> </tr> <tr> <td>Pentium G4560</td> <td>2 / 4</td> <td>3.5G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 610</td> </tr> <tr> <td>Core i3-6100</td> <td>2 / 4</td> <td>3.7G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-6400</td> <td>4 / 4</td> <td>2.7G / 3.3G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i3-7100</td> <td>2 / 4</td> <td>3.9G</td> <td>3 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0G / 3.5G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i5-7500</td> <td>4 / 4</td> <td>3.4G / 3.8G</td> <td>6 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6G / 4.2G</td> <td>8 MB</td> <td>DDR4-2400</td> <td>HD 630</td> </tr> </tbody> </table>						Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Celeron G3930	2 / 2	2.9G	2 MB	DDR4-2133	HD 610	Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510	Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530	Core i5-6400	4 / 4	2.7G / 3.3G	6 MB	DDR4-2133	HD 530	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630	Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630	Security chip	Firmware TPM 2.0 (fTPM)
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics																																																														
	Celeron G3930	2 / 2	2.9G	2 MB	DDR4-2133	HD 610																																																														
	Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510																																																														
	Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610																																																														
	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530																																																														
	Core i5-6400	4 / 4	2.7G / 3.3G	6 MB	DDR4-2133	HD 530																																																														
	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630																																																														
	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630																																																														
Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630																																																															
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630																																																															
						Security features	<ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse USB port disablement 																																																													
						Keyboard Mouse	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Mouse (USB connector), black																																																													
						Mechanical	<ul style="list-style-type: none"> Tower (15L), black color, metal case 5.7" W X 11.5" D X 14.4" H 145mm W X 293.2mm D X 366mm H Approx. 12.5 lb (5.65 kg), weight may vary by configuration Bay 1: Slim external ODD bay Bay 2: 3.5", 1" high, internal, HDD/SSD (optional bay, bay comes with disk) Bay 3: 2.5", internal, HDD/SSD (optional bay, bay comes with disk) Slot 1: half-length, full-height, PCIe 3.0 x16 Slot 2: half-length, full-height, PCIe 3.0 x1 Slot 3: no slot, only bracket for optional parallel port extension* M.2 card slots: Two M.2 (one for WLAN, one for SSD/Optane) 																																																													
Memory	32GB max, UDIMM, DDR4-2400*, two 288-pin DIMM sockets, non-ECC, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Power supply	180 watts, autosensing, 85% PSU																																																												
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 3.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2						Limited warranty ³	<i>Some:</i> 1-year or 3-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available																																																												
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)						Preload	Preloaded operating system <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) Preloaded applications (only some listed) <ul style="list-style-type: none"> Microsoft Office preloaded; purchase a product key to activate Lenovo User Guide Only for Window 10 Lenovo Companion Lenovo ID Only for Window 7 Lenovo Solution Center McAfee® LiveSafe™ (30-day trial) Adobe® Reader® 																																																												
Onboard SATA Media reader	Three onboard SATA 6.0Gb/s connectors (for HDD/SSD and ODD) Optional 7-in-1 media reader						Environment	ENERGY STAR® 6.1; EPEAT™ Gold rating (North America); ErP Lot 3; GREENGUARD®; RoHS-compliant																																																												
Graphics	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, one VGA, one DisplayPort™, one HDMI, supports three independent displays, works along with discrete graphics to support more displays; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1080 (VGA)@60Hz <i>Some:</i> NVIDIA GeForce® GT 730 , DirectX 12, 1GB , PCIe 2.0 x8 adapter, one VGA, one HDMI, 35 watts; <i>Max resolution:</i> 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz <i>Some:</i> NVIDIA GeForce GT 730 , DirectX 12, 2GB , PCIe 2.0 x8 adapter, two DisplayPort, 35 watts; <i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz						Accessories	For compatible accessories, please go to http://www.lenovoquickpick.com/																																																												
Monitor Cable	None																																																																			
Chipset	Intel B250 Chipset																																																																			
Front ports	Four USB 3.1 Gen1, microphone (3.5mm), headphone (3.5mm)																																																																			
Rear ports	Two USB 3.1 Gen1, two USB 2.0, one serial (9-pin), optional parallel (25-pin), one ethernet (RJ-45), one VGA, one DisplayPort, one HDMI, additional VGA, DisplayPort, or HDMI on optional graphic card on some models																																																																			
Rear audio ports	Line-in (3.5mm), line-out (3.5mm), microphone (3.5mm)																																																																			
Audio support	High Definition (HD) Audio, Realtek® ALC662, optional internal speaker (1.5 watt)																																																																			
WLAN ¹³	<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1																																																																			
Bluetooth™	<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																																																			
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®																																																																			
Modem	None																																																																			

Lenovo V520 Tower

