Lenovo V520 Tower 10NK002N++

Region
EMEA

Machine Type
10NK

TopSeller
TopSeller

Processor
Core i5-7400 (4C, 3.0 / 3.5GHz, 6MB)

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

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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

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

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

Storage

Some: Hard Drive / SATA 6.0Gb/s, 3.5", 5400 rpm or 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)
Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)

Onboard SATA

Three onboard SATA 6.0Gb/s connectors (for HDD/SSD and ODD)

Media reader

Optional 7-in-1 media reader

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;
Max resolution: 4096x2304 (DP)@60Hz; 4096x2160 (HDMI)@24Hz; 1920x1080 (VGA)@60Hz
Some: **NVIDIA Geforce® GT 730**, DirectX 12, **1GB**, PCIe 2.0 x8 adapter, one VGA, one HDMI, 35 watts;
Max resolution: 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz
Some: **NVIDIA Geforce GT 730**, DirectX 12, **2GB**, PCIe 2.0 x8 adapter, two DisplayPort, 35 watts;
Max resolution: 3840x2160 (DisplayPort)@60Hz

Monitor Cable

None

Chipset

Intel B250 Chipset

Front ports

Four USB 3.0, microphone (3.5mm), headphone (3.5mm)

Rear ports

Two USB 3.0, 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]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1

Bluetooth™

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

Ethernet

One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®

Modem

None

Manageability

None

Security chip

Firmware TPM 2.0 (fTPM)

Security features

- One lock to secure both cover and entire system to fixed object:
  - -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

Some: Lenovo Calliope Keyboard (USB connector), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black

Mechanical

- 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)

Power supply

180 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **depot service** / service upgrades available
Some: **1-year** or **3-year**, **limited onsite service** / service upgrades available

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)

- 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®

Environment

ENERGY STAR® 6.1; EPEAT™ Gold rating (North America); ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

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

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