# Lenovo V520 Tower 10NK0066xx

Region
EAST

Machine Type
10NK

TopSeller
TopSeller

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

Graphics
Integrated Intel HD Graphics 630

Memory
4GBx1

Storage
1TB 7200rpm 3.5"

Optical
DVD±RW

Media Reader
7-in-1

WLAN + Bluetooth
Intel 3165 ac, 1x1 + BT4.0

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 Home 64

Warranty
1-year, Depot

Global
No

End of Support
Aug 1, 2023

Ann Date (mm/yy)
05/17

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 (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 3.1 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]

*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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