Lenovo V520S SFF 10NM001Y++

Region
EMEA

Machine Type
10NM

TopSeller
TopSeller

Processor
Pentium G4560 (2C, 3.5GHz, 3MB)

Graphics
Integrated Intel HD Graphics 610

Memory
4GBx1

Storage
500GB 7200rpm 3.5"

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
None

Warranty
1-year, Onsite

Global
No

End of Support
Aug 1, 2023

Ann Date (mm/yy)
03/17

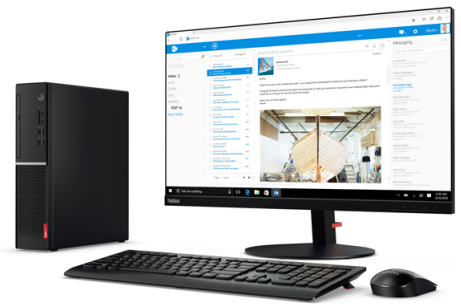
Note:
Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.).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

www.lenovo.com

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 specifcations 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 ftness for a particular purpose.

http://psref.lenovo.com
Visit psref website for the latest version of Product Specifcations Reference.

© Lenovo, 2017. All rights reserved.



Lenovo V520S-08IKL SFF 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

- SFF (8.4L), black color, metal case
- 11.4" W X 13.6" D X 3.5" H
- 290.5mm W X 343.5mm D X 89mm H
- Approx. 10.5 lb (4.75 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: Low Profile, PCIe 3.0 x16
Slot 2: Low Profile, PCIe 3.0 x1
M.2 card slots: Two M.2 (one for WLAN, one for SSD/Optane)

Floor Stand

None

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/**

Lenovo V520S SFF











