Lenovo S510 SFF Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics
Celeron G3900	2 / 2	2.8 G	2 MB	DDR4-2133	HD 510
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Core i3-6100	2 / 4	3.7 G	3 MB	DDR4-2133	HD 530
Core i3-6320	2 / 4	3.9 G	4 MB	DDR4-2133	HD 530
Core i5-6400	4 / 4	2.7 G / 3.3 G	6 MB	DDR4-2133	HD 530
Core i5-6500	4 / 4	3.2 G / 3.6 G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4 G / 4.0 G	8 MB	DDR4-2133	HD 530

Memory

32GB max, UDIMM, DDR4 2133, two 288-pin DIMM sockets, dual-channel capable

Disk

Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: Slim DVD-ROM DL SATA 1.5Gb/s Drive, 9.5mm
Some: Slim Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive, 9.5mm

Onboard SATA

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

Media reader

Optional 10-in-1 media reader

Graphics

Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, one VGA, one DisplayPort™, supports two independent displays, works along with discrete graphics to support more displays;
Max resolution: 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz
Some: **NVIDIA Geforce® GT 720**, DirectX 12, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz
Some: **NVIDIA Geforce GT 720**, DirectX 12, 1GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 25 watts;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz

DP cable

None

Chipset

Intel H110 Chipset

Front ports

Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports

Two USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA, DisplayPort, additional VGA or HDMI on optional graphic card on some models

Rear audio ports

Line-in (3.5mm), line-out (3.5mm), microphone (3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek® ALC662 codec

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (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 4.0/4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

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

Modem

None

Manageability

None

Security chip

None

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

Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo

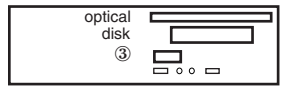
Mouse

Enhanced Optical USB Mouse, black, Lenovo logo

Mechanical

- SFF (8L for chassis, 8.5L for chassis and front bezel), black color, metal case
- 11.6" W X 12.6" D X 3.5" H
- 295mm W X 320mm D X 90mm H
- 9.1 lb (4.13 kg) in maximum configuration

Bay 1: 9.5mm high, slim optical or opt 2nd SSD
Bay 2: 3.5", 1" high, std disk
Bay 3: optional card reader
Slot 1: half-length, full-height, PCIe 3.0 x16
Slot 2: M.2 slot (for WLAN)



Floor Stand

None

Power supply

180 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **depot service**
Some: **1-year** or **3-year**, **limited onsite service**
For Lenovo service upgrade options, please go to S-TC sheet

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

Preloaded applications (only some listed)

- Lenovo Rescue System
- Driver and Application Installation
- Lenovo Solution Center
- Lenovo Bluetooth Lock
- Lenovo SHAREit
- McAfee® LiveSafe™ (30-day trial)
- Microsoft® Office preloaded; purchase a product key to activate
- Lenovo Companion (Win10 only)
- Adobe® Reader® (Win7 only)

Environment

ENERGY STAR® 6.1 (Need 85% PSU and Windows OS);
EPEAT™ Gold rating (only for US, need 85% PSU and Windows OS);
ErP Lot 3; GREENGUARD®; RoHS-compliant

Accessories

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

See footnotes for more detailed information

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