

# Lenovo S510 SFF [10KY000Exx](#)

Region  
EAST

Machine Type  
10KY

TopSeller  
TopSeller

Processor  
Core i3-6100 (2C, 3.7GHz, 3MB)

Graphics  
Integrated Intel HD Graphics 530

Memory  
4GBx1

Storage  
500GB 7200rpm 3.5"

Optical  
DVD±RW

Media Reader  
10-in-1

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

Keyboard / Mouse  
USB (Slim) / USB

Bundled Monitor  
None

Power Supply  
180W 85%

ENERGY STAR  
ENERGY STAR 6.1

Operating System  
None

Warranty  
3-year, Depot

Global  
No

Ann Date (mm/yy)  
04/16

## 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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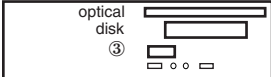
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## Lenovo S510 SFF Platform Specifications

Product Specifications Reference (PSREF)

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                         |       |              |                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|-------|--------------|---------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                 | Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                         |       |              |                     | Manageability                                                                       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                           | Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cores / Threads | Frequency Base/Max(GHz) | Cache | Memory Types | Integrated Graphics | Security chip                                                                       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                           | Celeron G3900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 / 2           | 2.8 G                   | 2 MB  | DDR4-2133    | HD 510              | Security features                                                                   | <ul style="list-style-type: none"><li>● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none"><li>-Padlock loop (in rear for opt padlock)</li><li>-Security slot (in rear for optional Kensington® MicroSaver® cable)</li></ul></li><li>● Power-on password</li></ul> <ul style="list-style-type: none"><li>● Administrator password</li><li>● Hard disk password</li><li>● Boot sequence control</li><li>● Boot without keyboard and mouse</li><li>● USB port disablement</li></ul>                                                                                                                                                             |
|                           | 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              | Keyboard Mouse                                                                      | Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo<br>Enhanced Optical USB Mouse, black, Lenovo logo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Memory                    | 32GB max, UDIMM, DDR4 2133, two 288-pin DIMM sockets, dual-channel capable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                         |       |              |                     | Mechanical                                                                          | <ul style="list-style-type: none"><li>● SFF (8L for chassis, 8.5L for chassis and front bezel), black color, metal case</li><li>● 11.6" W X 12.6" D X 3.5" H</li><li>● 295mm W X 320mm D X 90mm H</li><li>● 9.1 lb (4.13 kg) in maximum configuration</li></ul> Bay 1: 9.5mm high, slim optical or opt 2nd SSD<br>Bay 2: 3.5", 1" high, std disk<br>Bay 3: optional card reader<br>Slot 1: Low Profile, PCIe 3.0 x16<br>Slot 2: M.2 slot (for WLAN)                                                                                                                                                                                                                                          |
| Disk                      | <i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                         |       |              |                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Optical                   | <i>Some:</i> Slim DVD-ROM DL SATA 1.5Gb/s Drive, 9.5mm<br><i>Some:</i> Slim Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive, 9.5mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                         |       |              |                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Onboard SATA Media reader | Three onboard SATA 6.0Gb/s connectors (for HDD/SSD and ODD)<br>Optional 10-in-1 media reader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                         |       |              |                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Graphics                  | <b>Intel HD Graphics 510/530</b> in processor, uses main memory, DirectX® 12, one VGA, one DisplayPort™, supports two independent displays, works along with discrete graphics to support more displays;<br><i>Max resolution:</i> 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz<br><i>Some:</i> <b>NVIDIA GeForce® GT 720</b> , DirectX 12, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 25 watts;<br><i>Max resolution:</i> 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz<br><i>Some:</i> <b>NVIDIA GeForce GT 720</b> , DirectX 12, 1GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 25 watts;<br><i>Max resolution:</i> 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz |                 |                         |       |              |                     | Floor Stand                                                                         | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DP cable                  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                         |       |              |                     | Power supply                                                                        | 180 watts, autosensing, 85% PSU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Chipset                   | <b>Intel H110 Chipset</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                         |       |              |                     | Limited warranty <sup>3</sup>                                                       | <i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b><br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b><br><i>For Lenovo service upgrade options, please go to S-TC sheet</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Front ports               | Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                         |       |              |                     | Preload                                                                             | <b>Preloaded operating system</b><br><i>Some:</i> Windows 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit<br><b>Preloaded applications</b> (only some listed) <ul style="list-style-type: none"><li>● Lenovo Rescue System</li><li>● Driver and Application Installation</li><li>● Lenovo Solution Center</li><li>● Lenovo Bluetooth Lock</li><li>● Lenovo SHAREit</li><li>● McAfee® LiveSafe™ (30-day trial)</li><li>● Microsoft® Office preloaded; purchase a product key to activate</li><li>● Lenovo Companion (Win10 only)</li><li>● Adobe® Reader® (Win7 only)</li></ul> |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                         |       |              |                     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Audio support             | High Definition (HD) Audio, Realtek® ALC662 codec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                         |       |              |                     | Accessories                                                                         | For compatible accessories, please go to <a href="http://www.lenovoquickpick.com/">http://www.lenovoquickpick.com/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| WLAN <sup>13</sup>        | <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1<br><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 4.0/4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                         |       |              |                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Ethernet                  | One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                         |       |              |                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Modem                     | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                         |       |              |                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

See footnotes for more detailed information

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