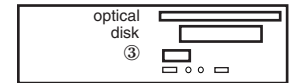


# Lenovo S510 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6th Generation Intel Core™ i3 / i5 / i7 Processor	Manageability	None																																																
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Celeron G3900</td> <td>2 / 2</td> <td>2.8 G</td> <td>2 MB</td> <td>DDR4-2133</td> <td>HD 510</td> </tr> <tr> <td>Pentium G4400</td> <td>2 / 2</td> <td>3.3G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 510</td> </tr> <tr> <td>Core i3-6100</td> <td>2 / 4</td> <td>3.7 G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i3-6320</td> <td>2 / 4</td> <td>3.9 G</td> <td>4 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-6400</td> <td>4 / 4</td> <td>2.7 G / 3.3 G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i5-6500</td> <td>4 / 4</td> <td>3.2 G / 3.6 G</td> <td>6 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> <tr> <td>Core i7-6700</td> <td>4 / 8</td> <td>3.4 G / 4.0 G</td> <td>8 MB</td> <td>DDR4-2133</td> <td>HD 530</td> </tr> </tbody> </table>	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	Security chip	None
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Memory	32GB max, UDIMM, DDR4 2133, two 288-pin DIMM sockets, dual-channel capable	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> <li>Power-on password</li> </ul> </li> <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>																																																
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	Keyboard	Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo																																																
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	Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																																																
Onboard SATA	Three onboard SATA 6.0Gb/s connectors (for HDD/SSD and ODD)	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> <li>Bay 1: 9.5mm high, slim optical or opt 2nd SSD</li> <li>Bay 2: 3.5", 1" high, std disk</li> <li>Bay 3: optional card reader</li> <li>Slot 1: Low Profile, PCIe 3.0 x16</li> <li>Slot 2: M.2 slot (for WLAN)</li> </ul>																																																
Media reader	Optional 10-in-1 media reader	Floor Stand	None																																																
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; <i>Max resolution:</i> 4096x2304 (DP)@60Hz; 1920x1200 (VGA)@60Hz Some: <b>NVIDIA GeForce® GT 720</b> , DirectX 12, 2GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 25 watts; <i>Max resolution:</i> 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz Some: <b>NVIDIA GeForce GT 720</b> , DirectX 12, 1GB, PCIe 3.0 x8 adapter, one VGA, one HDMI, 25 watts; <i>Max resolution:</i> 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz	Power supply	180 watts, autosensing, 85% PSU																																																
DP cable	None	Limited warranty <sup>3</sup>	Some: <b>1-year</b> or <b>3-year, depot service</b> Some: <b>1-year</b> or <b>3-year, limited onsite service</b> For Lenovo service upgrade options, please go to <i>S-TC sheet</i>																																																
Chipset	<b>Intel H110 Chipset</b>	Preload	<b>Preloaded operating system</b> 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 <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>																																																
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	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																																																
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	Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com/">http://www.lenovoquickpick.com/</a>																																																
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 <sup>13</sup>	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																																																		



See footnotes for more detailed information

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