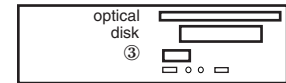


Lenovo S510 SFF Platform Specifications

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 |
| 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 | Security features | <ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> -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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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"> 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Media reader | Optional 10-in-1 media reader | Floor Stand | None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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; <i>Max resolution:</i> 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; <i>Max resolution:</i> 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; <i>Max resolution:</i> 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz | Power supply | 180 watts, autosensing, 85% PSU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DP cable | None | 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 <i>S-TC sheet</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chipset | Intel H110 Chipset | 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) <ul style="list-style-type: none"> 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 http://www.lenovoquickpick.com/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



See footnotes for more detailed information

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| Model | 10KY0007++ |
|------------------|-----------------------|
| Product | Lenovo S510 SFF |
| Region | WE |
| Machine Type | 10KY |
| TopSeller | TopSeller |
| Processor | Pentium G4400 |
| Memory | 4GBx1 |
| Storage | 500G 7200 rpm 3.5 |
| Optical | DVD±RW |
| WLAN | None |
| Media Reader | Media |
| Graphics | Intel HD Graphics 510 |
| Keyboard / Mouse | USB |
| Bundled Monitor | None |
| Power Supply | 180W ES |
| ENERGY STAR 6.1 | ES6.1 |
| Global | None |
| Preload | Windows 10 Pro 64 |
| Warranty | 1 Year On-site |
| Ann Date (mm/yy) | 04/16 |

