

Lenovo V50s 071MB SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel Celeron®, Pentium® or 10th Generation Intel Core™ i3 / i5 / i7 / i9 Processor	Audio support	High Definition (HD) Audio, Realtek ALC623-CG / internal speaker (1.5 watt)																																																					
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Celeron G5900</td> <td>2 / 2</td> <td>3.4 GHz</td> <td>2 MB</td> <td>DDR4-2666</td> <td>UHD 610</td> </tr> <tr> <td>Pentium Gold G6400</td> <td>2 / 4</td> <td>4.0 GHz</td> <td>4 MB</td> <td>DDR4-2666</td> <td>UHD 610</td> </tr> <tr> <td>Core i3-10100</td> <td>4 / 8</td> <td>3.6 / 4.3 GHz</td> <td>6 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-10400</td> <td>6 / 12</td> <td>2.9 / 4.3 GHz</td> <td>12 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i5-10400F</td> <td>6 / 12</td> <td>2.9 / 4.3 GHz</td> <td>12 MB</td> <td>DDR4-2666</td> <td>-</td> </tr> <tr> <td>Core i5-10500</td> <td>6 / 12</td> <td>3.1 / 4.5 GHz</td> <td>12 MB</td> <td>DDR4-2666</td> <td>UHD 630</td> </tr> <tr> <td>Core i7-10700</td> <td>8 / 16</td> <td>2.9 / 4.8 GHz</td> <td>16 MB</td> <td>DDR4-2933</td> <td>UHD 630</td> </tr> <tr> <td>Core i9-10900</td> <td>10 / 20</td> <td>2.8 / 5.2 GHz</td> <td>20 MB</td> <td>DDR4-2933</td> <td>UHD 630</td> </tr> </tbody> </table>	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics	Celeron G5900	2 / 2	3.4 GHz	2 MB	DDR4-2666	UHD 610	Pentium Gold G6400	2 / 4	4.0 GHz	4 MB	DDR4-2666	UHD 610	Core i3-10100	4 / 8	3.6 / 4.3 GHz	6 MB	DDR4-2666	UHD 630	Core i5-10400	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	UHD 630	Core i5-10400F	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	-	Core i5-10500	6 / 12	3.1 / 4.5 GHz	12 MB	DDR4-2666	UHD 630	Core i7-10700	8 / 16	2.9 / 4.8 GHz	16 MB	DDR4-2933	UHD 630	Core i9-10900	10 / 20	2.8 / 5.2 GHz	20 MB	DDR4-2933	UHD 630	<p>WLAN</p> <p><i>Some:</i> 11ac, M.2 Card, Wi-Fi + Bluetooth 5.0 combo adapter, 2x2</p> <p><i>Some:</i> 11ac, M.2 Card, Wi-Fi + Bluetooth 5.0 combo adapter, 1x1</p> <p><i>Some:</i> 11ac, M.2 Card, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2</p> <p><i>Some:</i> 11ac, M.2 Card, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1</p> <p>Bluetooth™</p> <p><i>Some:</i> Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</p> <p><i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</p> <p>Ethernet</p> <p>One gigabit ethernet port</p>
Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics																																																			
Celeron G5900	2 / 2	3.4 GHz	2 MB	DDR4-2666	UHD 610																																																			
Pentium Gold G6400	2 / 4	4.0 GHz	4 MB	DDR4-2666	UHD 610																																																			
Core i3-10100	4 / 8	3.6 / 4.3 GHz	6 MB	DDR4-2666	UHD 630																																																			
Core i5-10400	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	UHD 630																																																			
Core i5-10400F	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	-																																																			
Core i5-10500	6 / 12	3.1 / 4.5 GHz	12 MB	DDR4-2666	UHD 630																																																			
Core i7-10700	8 / 16	2.9 / 4.8 GHz	16 MB	DDR4-2933	UHD 630																																																			
Core i9-10900	10 / 20	2.8 / 5.2 GHz	20 MB	DDR4-2933	UHD 630																																																			
Memory	32GB max, DDR4-2666, two 288-pin DIMM sockets, dual-channel capable	Security features	<ul style="list-style-type: none"> Security slot for Kensington® lock Administrator password Padlock Loop Hard disk password Optional Smart Cable Clip Power-on password Firmware TPM2.0 USB port disablement 																																																					
Storage	<p><i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm</p> <p><i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe</p> <p><i>Some:</i> Intel Optane™ Memory, M.2</p>	Keyboard	<p><i>Some:</i> Lenovo Calliope Keyboard (USB connector), black</p> <p><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black</p>																																																					
Optical Drive(opt)	<p><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)</p> <p><i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)</p>	Mouse	<p><i>Some:</i> Lenovo Calliope Mouse (USB connector), black</p> <p><i>Some:</i> Lenovo Fingerprint Mouse (USB connector), black</p>																																																					
Onboard SATA	SATA 6.0Gb/s controller, two SATA 6.0Gb/s connectors	Mechanical	<ul style="list-style-type: none"> SFF (7.4L), black chassis Dimensions (WxDxH): 100mmx304mmx270mm(3.9"x11.9"x10.63" inches) Approx. 9.26 lb (4.2 kg), weight may vary by configuration Bay 1: Slim external ODD bay Bay 2: 3.5" HDD, internal bay Slot 1: PCIe 3.0 x16 Slot 2: PCIe 3.0 x1 M.2 card slots: one for WLAN, one for SSD/Optane 																																																					
Card reader(opt)	7-in-1 media card reader (SD, SDHC, SDXC, MMC, MS, MS-Pro, MMC plus)	Power supply	<p><i>Some:</i> 180 watts, autosensing, 85% PSU</p> <p><i>Some:</i> 260 watts, autosensing, 85% PSU</p>																																																					
Graphics	<p>Intel UHD Graphics 610/630 in some processors*, uses main memory, DirectX 12, one HDMI™, one VGA, supports up to 2 independent displays, more displays support via discrete graphics;</p> <p>Max resolution: 3840x2160 (HDMI)@30Hz; 1920x1200 (VGA)@60Hz</p> <p><i>Some:</i> NVIDIA® GeForce® GT 730, DirectX 12, 2GB, GDDR5, one HDMI, one VGA;</p> <p>Max resolution: 3840x2160 (HDMI)@60Hz; 2048x1536 (VGA)@75Hz</p> <p><i>Some:</i> AMD Radeon™ 520, DirectX 12, 1GB, GDDR5, one HDMI, one VGA;</p> <p>Max resolution: 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@85Hz</p> <p><i>*Processor with integrated Graphic</i></p>	Limited warranty	<p><i>Some:</i> 1-year depot repair or Carry-in service</p> <p><i>Some:</i> 1-year, limited onsite service</p>																																																					
Chipset	Intel B460 Chipset	Preload	<p>Preloaded operating system</p> <p><i>Some:</i> Windows® 10 Home 64</p> <p><i>Some:</i> Windows 10 Pro 64</p> <p>Preloaded applications (only some listed)</p> <ul style="list-style-type: none"> Microsoft® Office (Trail) Lenovo® Vantage McAfee® LiveSafe™ 																																																					
Front ports*	4x USB 3.2 Gen1, 1x headphone / microphone combo jack (3.5mm), 1x microphone (3.5mm), 1x optional media reader	Environment	ENERGY STAR® 8.0 (not support Celeron, Pentium, or Core i with 3.5" HDD models); EPEAT™ Silver rating; RoHS-compliant; TUV Ultra Low Noise certified																																																					
Rear ports*	2x USB 3.2 Gen1, 2x USB 2.0, 1x ethernet (RJ-45), 1x VGA**, 1x HDMI**, 1x serial (9-pin), 1x line-out (3.5mm)	Accessories	For compatible accessories, please go to http://smartfind.lenovo.com/																																																					
Rear ports* (Opt.)	<p><i>Optional:</i> 1x parallel (25-pin), 1x 2nd serial (9-pin)</p> <p><i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i></p> <p><i>** Only available for the models with integrated graphics</i></p>																																																							

Note: The specifications above may not be available in all regions and might change by regions

Lenovo
Jul 2020