

# Ideacentre 510S-07ICK Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel Celeron Processor, Intel Pentium Processor or 8th & 9th Generation Intel Core i3 / i5 / i7 Processors					WLAN (opt)	11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1	
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics	Bluetooth™ (opt)	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
	Celeron G4900	2 / 2	3.1 GHz	2 MB	DDR4-2400	Intel UHD Graphics 610	Ethernet	One gigabit ethernet port, Realtek RTL8111GN
	Celeron G4930	2 / 2	3.2 GHz	2 MB			Modem	None
	Pentium Gold G5400	2 / 4	3.7 GHz	4 MB			Security features	<ul style="list-style-type: none"> <li>Power-on password</li> <li>Administrator password</li> <li>Hard-disk password</li> <li>Kensington® lock</li> </ul>
	Pentium Gold G5420	2 / 4	3.8 GHz	4 MB			Keyboard (opt)	Some: Lenovo Calliope Keyboard (USB connector), Fn keys, black or silver Some: Lenovo Wireless Keyboard (2.4GHz), Fn keys, black or silver
	Core i3-8100	4 / 4	3.6 GHz	6 MB	DDR4-2666	Intel UHD Graphics 630	Mouse (opt)	Some: Lenovo Calliope Mouse (USB connector), black or silver Some: Lenovo Wireless Mouse (2.4GHz), black or silver
	Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB			Mechanical	<ul style="list-style-type: none"> <li>SFF 7.4L, <i>chassis</i>: black color; <i>bezel</i>: warm silver color</li> <li>dimensions (WxDxH): 3.94" x 10.63" x 11.36"; 100mm x 270mm x 288.5mm</li> <li>net weight: 9.64 lb (4.37 kg)</li> <li>Bay 1: 9.0mm, slim optical</li> <li>Bay 2: 3.5" or 2.5", disk</li> <li>Slot 1: half-length, half height, PCIe 3.0x16</li> <li>Slot 2: half-length, half height, PCIe 3.0x1</li> <li>M.2 card slots: one for WLAN, one for M.2 SSD / Optane</li> </ul>
	Core i5-8500	6 / 6	3.0 GHz / 4.1 GHz	9 MB			Power supply	Some: 180 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (100V-240V)
	Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB			Limited warranty	1-year or 2-year, depot repair service / service upgrades available
	Core i3-9100	4 / 4	3.6 GHz / 4.2 GHz	6 MB			Preload (opt)	Preloaded operating system Windows® 10 Home 64 Preloaded applications (only some listed) <ul style="list-style-type: none"> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Lenovo® Application Explorer</li> <li>Lenovo PC Manager</li> <li>McAfee® LiveSafe™ (30-day trial)</li> <li>PowerDVD (DVD±RW)</li> <li>Power2GO (DVD±RW)</li> </ul>
Core i5-9400F	6 / 6	2.9 GHz / 4.1 GHz	9 MB	DDR4-2666	-	Environment	ENERGY STAR 7.0; ErP Lot 3; RoHS-compliant	
Core i5-9400	6 / 6	2.9 GHz / 4.1 GHz	9 MB	DDR4-2666	Intel UHD Graphics 630			
Core i7-9700	8 / 8	3.0 GHz / 4.7 GHz	12 MB	DDR4-2666	Intel UHD Graphics 630			
Memory	16GB max, 2666MHz DDR4, two sockets, dual-channel capable * System automatically clocks down for the processors with lower memory controller							
Storage	Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x4, 32Gb/s Some: SSD / SATA 6.0Gb/s, 2.5" wide Some: Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x2, 16Gb/s, M.2 * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s							
Optane Memory	Optional: 32GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 4, 16Gb/s, M.2							
Optical (opt)	DVD±RW, SATA 1.5Gb/s, slim							
Onboard SATA	SATA 6.0Gb/s controller, two SATA 6.0Gb/s connectors							
Media reader	Optional 7-in-1 media reader (SD, SDHC, SDXC, MMC, MS, MS-Pro, MMC plus)							
Graphics	Some: Intel UHD Graphics 610 / 630 in processor, uses main memory, DirectX® 12; Max resolution: 1920x1080@30Hz (HDMI); 1920x1200@60Hz (VGA) Some: NVIDIA® GeForce® GT 730, 2GB GDDR5, DirectX 12, one VGA, one HDMI; Max resolution: 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz							
Chipset	Intel B365 chipset							
Front ports*	Four USB 3.1 Gen1, optional media reader one headphone / microphone combo jack (3.5mm), one microphone (3.5mm)							
Rear ports*	Four USB 2.0, thernet (RJ-45), one DP, one HDMI, one VGA, one serial port, one audio port							
IEEE 1394	None * Depending on many factors, actual data transfer speed may be lower than theoretical speed							
Audio support	High Definition (HD) Audio, Realtek® ALC623-CG							