

ideacentre 510S-08IKL Intel Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor, Intel Pentium® Processor or 7th 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 G3900	2 / 2	2.8 GHz	2 MB	DDR4-2133	Intel HD Graphics 510	Ethernet Modem	One gigabit ethernet port, Realtek RTL8111GN None
	Celeron G3930	2 / 2	2.9 GHz	2 MB		Intel HD Graphics 610	Security features	<ul style="list-style-type: none"> Power-on password Administrator password Hard-disk password Kensington® lock
	Pentium G4560	2 / 4	3.5 GHz	3 MB	DDR4-2400	Intel HD Graphics 630	Keyboard (opt)	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), Fn keys, black or silver <i>Some:</i> Lenovo Wireless Keyboard (2.4GHz), Fn keys, black or silver
	Core i3-7100	2 / 4	3.9 GHz	3 MB			Mouse (opt)	<i>Some:</i> Lenovo Calliope Mouse (USB connector), black or silver <i>Some:</i> Lenovo Wireless Mouse (2.4GHz), black or silver
	Core i5-7400	4 / 4	3.0 GHz / 3.5 GHz	6 MB				
	Core i7-7700	4 / 8	3.6 GHz / 4.2 GHz	8 MB				
Memory	16GB max, 2400MHz or 2666MHz DDR4, two sockets, dual-channel capable					Mechanical	<ul style="list-style-type: none"> SFF 8.4L, <i>chassis:</i> black <i>bezel:</i> silver dimensions (WxDxH): 3.54" x 11.69" x 13.54"; 90mm x 297mm x 344mm net weight: 11.5 lb (5.2 kg); Bay 1: 9.0mm, slim optical Bay 2: 3.5", disk (only for IKL model) Bay 3: 3.5" or 2.5", disk Slot 1: half-length, half height, PCIe 3.0x16 Slot 2: half-length, half height, PCIe 3.0x1 M.2 card slots: one for WLAN, one for M.2 SSD / Optane 	
Storage	<i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x4, 32Gb/s <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide <i>Some:</i> 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					Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (100V-240V) <i>Some:</i> 210 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (100V-240V)	
Optical (opt)	DVD±RW, SATA 1.5Gb/s, slim					Limited warranty	1-year or 2-year, depot repair service / service upgrades available	
Onboard SATA Media reader	SATA 6.0Gb/s controller, three SATA 6.0Gb/s connectors					Preload (opt)	Preloaded operating system Windows® 10 Home 64 Preloaded applications (only some listed) <ul style="list-style-type: none"> Microsoft Office preloaded; purchase a product key to activate Lenovo® Application Explorer Lenovo PC Manager McAfee® LiveSafe™ (30-day trial) PowerDVD (DVD±RW) Power2GO (DVD±RW) 	
Graphics	<i>Some:</i> Intel HD Graphics 610 / 630 in processor, uses main memory, DirectX® 12; <i>Max resolution:</i> 1920x1080@30Hz (HDMI); 1920x1200@60Hz (VGA) <i>Some:</i> NVIDIA® GeForce® GT 730, 1GB or 2GB GDDR5, DirectX 12, one VGA, one HDMI; <i>Max resolution:</i> 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz <i>Some:</i> NVIDIA GeForce GT 730, 2GB GDDR3, DirectX 12, one VGA, one HDMI; <i>Max resolution:</i> 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz;					Environment	ENERGY STAR® 6.1; ErP Lot 3; GREENGUARD®; RoHS-compliant	
Chipset	Intel B250 chipset							
Front ports*	four USB 3.1 Gen1, one headphone / microphone combo jack (3.5mm), one microphone (3.5mm), optional media reader							
Rear ports*	two USB 2.0, two USB 3.1 Gen1, ethernet (RJ-45), one VGA, one HDMI, three audio ports							
IEEE 1394	None <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>							
Audio support	High Definition (HD) Audio, Realtek® ALC662							