

ideacentre 510-15ICB Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel Celeron Processor, Intel Pentium Gold Processor or 8th Generation Intel Core i3 / i5 / i7 Processors					
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
	Celeron G4900	2 / 2	3.1 GHz	2 MB	DDR4-2400	Intel UHD Graphics 610
	Pentium Gold G5400	2 / 4	3.7 GHz	4 MB		
	Core i3-8100	4 / 4	3.6 GHz	6 MB		
	Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB	DDR4-2666	Intel UHD Graphics 630
Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB			
Memory	16GB max offering, UDIMM, DDR4-2666, two 288-pin DIMM sockets * System automatically clocks down for the processors with lower memory controller					
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 3.5", 7200 rpm <i>Some:</i> M.2 SSD / SATA 6.0Gb/s <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x4, 32Gb/s <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					
Optical (opt)	DVD Burner (DVD±RW), slim, 9.0mm high					
Onboard SATA	Three onboard SATA 6.0Gb/s connectors					
Media reader	Optional 7-in-1 media card reader					
Graphics	<i>Some:</i> Intel HD Graphics 610 / 630 or Intel UHD Graphics 610 / 630 in processor, Max resolution: 1920x1080@30Hz (HDMI); 1920x1200@60Hz (VGA) <i>Some:</i> NVIDIA® GeForce® GT 730, 1GB or 2GB GDDR5, DirectX 12, one VGA, one HDMI; Max resolution: 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz; <i>Some:</i> NVIDIA® GeForce® GT 730, 2GB GDDR3, DirectX 12, one VGA, one HDMI; Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz; <i>Some:</i> NVIDIA GeForce GTX 1050, 2GB GDDR5, DirectX 12, one DVI, one HDMI, one DP; Max resolution: 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz; 2560x1600 (DVI)@60Hz <i>Some:</i> NVIDIA GeForce GTX 1050 Ti, 4GB GDDR5, DirectX 12, one DVI, one HDMI, one DP; Max resolution: 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz; 2560x1600 (DVI)@60Hz <i>Some:</i> AMD Radeon™ RX 460, 4GB GDDR5, DirectX 12, one HDMI, one DP, one DVI; Max resolution: 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz; 2560x1600 (DVI)@60Hz <i>Some:</i> AMD Radeon RX 550, 2GB GDDR5, DirectX 12, one HDMI, one VGA, one DP; Max resolution: 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz; 2048x1536 (VGA)@60Hz <i>Some:</i> AMD Radeon RX 560, 4GB GDDR5, DirectX 12, one HDMI, one DVI, one DP; Max resolution: 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz; 2560x1600 (DVI)@60Hz <i>Some:</i> AMD Radeon R7 350, 2GB GDDR5, DirectX 11, one VGA, one HDMI; Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz;					
Chipset	Intel B360 platform					
Front ports*	one headphone / microphone combo jack (3.5mm), one microphone (3.5mm), optional media reader, two USB 3.1 Gen1, two USB 3.1 Gen2, one USB 3.1 Type-C Gen1					
Rear ports*	power connector, one VGA-out, one HDMI-out, one ethernet (RJ-45), four USB 2.0					
Rear audio ports	one headphone / microphone combo jack (3.5mm)					
IEEE 1394	None * Depending on many factors, actual data transfer speed may be lower than theoretical speed					
Audio support	High Definition (HD) Audio, Realtek ALC233 / Dolby Atmos Audio					
WLAN (opt)	<i>Some:</i> 11ac Wi-Fi + Bluetooth 4.0 combo adapter, M.2 card, 1x1 <i>Some:</i> 11ac Wi-Fi + Bluetooth 4.0 combo adapter, M.2 card, 2x2					
Bluetooth™ (opt)	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter					
Ethernet	Gigabit ethernet Realtek® RTL8111GN (for IKL) or Intel I219-V (for ICB)					
Modem	None					
Security chip	None					
Security features	Power-on password, administrator password, hard-disk password, Kensington® lock					
Keyboard (opt)	Lenovo Calliope Keyboard (USB connector), black or silver					
Mouse	Lenovo Wireless Keyboard (2.4GHz via USB receiver), black or silver Lenovo Calliope Mouse (USB connector), black or silver Lenovo Wireless Mouse (2.4GHz via USB receiver), black or silver					
Mechanical	● Tower (15L), black / silver color, metal case ● (WxDxH) with bezel: 5.71" x 11.22" x 14.41"; 145mm x 285.2mm x 366.03mm ● Approx 12.8 lb (5.8 kg), weight may vary by configuration ● Optional front / rear system fan - Bay 1: slim optical bay - Bay 2: 3.5", disk bay - Bay 3: 3.5" or 2.5", disk bay - Slot 1: full-length half-height, PCIe 3.0 x16 - Slot 2: full-length half-height, PCIe 3.0 x1 - M.2 card slots: one for WLAN, one for M.2 SSD / Optane					
Power supply	<i>Some:</i> 180 watts, autosensing, 85% PSU <i>Some:</i> 210 watts, autosensing, 85% PSU					
Limited warranty	1-year or 2-year, depot repair service / service upgrades available					
Preload	Preloaded operating system Windows® 10 Home 64 or Windows 10 Pro 64 Preloaded applications (only some listed) ● 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)					
Environment	ENERGY STAR® 6.1 (support version 7.0 after November); ErP Lot 3; RoHS-compliant					
Accessories	For compatible accessories, please go to http://smartfind.lenovo.com					

Note: The specifications above may not be available in all regions.

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