

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						<i>Some: 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> <i>Some: AMD Radeon R7 350, 2GB GDDR5, DirectX 11, one VGA, one HDMI; Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz;</i>
	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	
	Celeron G4930	2 / 2	3.2 GHz	2 MB			
	Pentium Gold G5400	2 / 4	3.7 GHz	4 MB			
	Pentium Gold G5420	2 / 4	3.8 GHz	4 MB			
	Core i3-8100	4 / 4	3.6 GHz	6 MB	DDR4-2666	Intel UHD Graphics 630	
	Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB			
	Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB			
	Core i3-9100	4 / 4	3.6 GHz / 4.2 GHz	6 MB			
	Core i5-9400F	6 / 6	2.9 GHz / 4.1 GHz	9 MB	DDR4-2400	-	
	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			
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: Hard Drive / SATA 6.0Gb/s, 3.5", 7200 rpm</i> <i>Some: M.2 SSD / SATA 6.0Gb/s</i> <i>Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x4, 32Gb/s</i> <i>Some: Intel Optane Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</i> * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s Optional: 16GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2 DVD Burner (DVD±RW), slim, 9.0mm high Three onboard SATA 6.0Gb/s connectors Optional 7-in-1 media card reader						
Optane Memory							
Optical (opt)							
Onboard SATA							
Media reader							
Graphics	<i>Some: Intel HD Graphics 610 / 630 or Intel UHD Graphics 610 / 630 in processor, Max resolution: 1920x1080@30Hz (HDMI); 1920x1200@60Hz (VGA)</i> <i>Some: NVIDIA® GeForce® GT 730, 1GB or 2GB GDDR5, DirectX 12, one VGA, one HDMI; Max resolution: 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz;</i> <i>Some: NVIDIA® GeForce® GT 730, 2GB GDDR3, DirectX 12, one VGA, one HDMI; Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz;</i> <i>Some: 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> <i>Some: 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> <i>Some: 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> <i>Some: 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> <i>Some: NVIDIA GeForce GTX 1650, 4GB GDDR5, DirectX 12, one HDMI, two DP; Max resolution: 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz;</i> <i>Some: AMD Radeon RX 550X, 4GB GDDR5, DirectX 12, one HDMI, one VGA, one DP; Max resolution: 4096x2160 (HDMI)@60Hz; 3840x2160 (DP)@60Hz; 2048x1536 (VGA)@85Hz</i>						
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: 11ac Wi-Fi + Bluetooth 4.0 combo adapter, M.2 card, 1x1</i> <i>Some: 11ac Wi-Fi + Bluetooth 4.0 combo adapter, M.2 card, 2x2</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						
Bluetooth™ (opt)	Gigabit ethernet connection						
Ethernet	None						
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), chassis black, bezel warm 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: 180 watts, autosensing, 85% PSU</i> <i>Some: 210 watts, autosensing, 85% PSU</i>						
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® 7.0; 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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