

ideacentre 510A-15ABR Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A series APUs						Audio support	High Definition (HD) Audio, Realtek® ALC662
	Processor	Cores	Frequency (Base/Max)	Cache	Memory Type	Integrated Graphics	WLAN	11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1
	A6-9500	2	3.5 GHz / 3.8 GHz	1 MB	DDR4-2400	Radeon™ R5	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
	A8-9600	4	3.1 GHz / 3.4 GHz	2 MB		Radeon R7	Ethernet	One gigabit ethernet port, RTL8111GN
	A10-9700	4	3.5 GHz / 3.8 GHz	2 MB			Modem	None
A12-9800	4	3.8 GHz / 4.2 GHz	2 MB	Security features			<ul style="list-style-type: none"> Power-on password Administrator password Hard-disk password 	
Memory	32GB max, 2400MHz DDR4, two sockets, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Keyboard	Lenovo Calliope Keyboard (USB connector), Fn keys, black
Storage	<i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x2, 16Gb/s DVD±RW, SATA 1.5Gb/s, slim Onboard SATA SATA 6.0Gb/s controller, two SATA 6.0Gb/s connectors Media reader <i>Optional</i> 7-in-1 media reader (SD, SDHC, SDXC, MMC, MS, MS-Pro, MMC plus)						Mouse	Lenovo Calliope Mouse (USB connector), black
Graphics	<i>Some:</i> AMD Radeon R5 or R7 Graphics in processor, uses main memory, DirectX 12, one VGA, one HDMI <i>Max resolution:</i> 4096x2160@24Hz (HDMI); 3840x2160@60Hz (VGA) <i>Some:</i> AMD Radeon Vega 8 or RX Vega 11 Graphics in processor, uses main memory, DirectX 12, <i>Max resolution:</i> 4096x2160@24Hz (HDMI); 3840x2160@60Hz (VGA) <i>Some:</i> AMD Radeon RX 550, 2GB GDDR5 , DirectX 12, one HDMI, one DVI, one DP; <i>Max resolution:</i> 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz; 2560x1600 (DVI)@60Hz <i>Some:</i> AMD Radeon RX 560, 4GB GDDR5 , DirectX 12, one HDMI, one DVI, one DP; <i>Max resolution:</i> 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz; 2560x1600 (DVI)@60Hz						Mechanical	<ul style="list-style-type: none"> Tower (15L), black chassis, grey bezel Dimensions (WxDxH): 5.71" x 11.22" x 14.41"; 145mm x 285.2mm x 366.03mm Weights (net weight): 15.1 lb (6.85 kg), weight may vary by configuration Optional front and 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
Chipset	AMD B300 Chipset						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)
Front ports*	One headphone / microphone combo jack (3.5mm), two USB 3.1 Gen1, one microphone (3.5mm), optional media reader, two USB 2.0						Limited warranty	<ul style="list-style-type: none"> 1-year or 2-year, depot repair service / service upgrades available 1-year, limited mail-in service / service upgrades available
Rear ports*	Two USB 2.0, ethernet (RJ-45), VGA, HDMI (1.4)						Preload	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)
Rear audio ports	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)						Environment	ENERGY STAR® 6.1; GREENGUARD®; ErP Lot 3; RoHS-compliant
IEEE 1394	None							
	* Depending on many factors, actual data transfer speed may be lower than theoretical speed							