

ideacentre AIO 520 (22") Intel Platform Specifications

Product Specifications Reference (PSREF)

Processor	22IKU: Intel® Celeron® Processor, Intel Pentium® Processor, or 6th / 7th / 8th Generation Intel Core™ i3 / i5 Processors <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Celeron 3865U</td> <td>2 / 2</td> <td>1.8 GHz</td> <td rowspan="2">2 MB</td> <td rowspan="3">DDR4-2133</td> <td rowspan="2">Intel HD Graphics 610</td> </tr> <tr> <td>Pentium 4415U</td> <td>2 / 4</td> <td>2.3 GHz</td> </tr> <tr> <td>Core i3-6006U</td> <td>2 / 4</td> <td>2.0 GHz</td> <td rowspan="2">3 MB</td> <td>Intel HD Graphics 520</td> </tr> <tr> <td>Core i3-7020U</td> <td>2 / 4</td> <td>2.3 GHz</td> <td>Intel HD Graphics 620</td> </tr> <tr> <td>Core i5-7200U</td> <td>2 / 4</td> <td>2.5 GHz / 3.1 GHz</td> <td rowspan="2">6 MB</td> <td rowspan="2">DDR4-2400</td> <td>Intel UHD Graphics 620</td> </tr> <tr> <td>Core i5-8250U</td> <td>4 / 8</td> <td>1.6 GHz / 3.4 GHz</td> <td>Intel UHD Graphics 620</td> </tr> </tbody> </table>					Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics	Celeron 3865U	2 / 2	1.8 GHz	2 MB	DDR4-2133	Intel HD Graphics 610	Pentium 4415U	2 / 4	2.3 GHz	Core i3-6006U	2 / 4	2.0 GHz	3 MB	Intel HD Graphics 520	Core i3-7020U	2 / 4	2.3 GHz	Intel HD Graphics 620	Core i5-7200U	2 / 4	2.5 GHz / 3.1 GHz	6 MB	DDR4-2400	Intel UHD Graphics 620	Core i5-8250U	4 / 8	1.6 GHz / 3.4 GHz	Intel UHD Graphics 620	Ports*	Rear: USB 2.0 x 3, power connector, Ethernet (RJ-45), security cable slot, HDMI-out, USB 3.1 Gen1 x 1 (for 22IKU / 22IKL), USB 3.1 Gen2 x 1 (only for 22ICB), optional HDMI-in Bottom: headphone / microphone combo jack (3.5mm) x 1, media card reader Right: USB 3.1 Gen1 x 1 None <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>		
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Celeron 3865U	2 / 2	1.8 GHz	2 MB	DDR4-2133	Intel HD Graphics 610																																						
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Core i5-8250U	4 / 8	1.6 GHz / 3.4 GHz			Intel UHD Graphics 620																																						
						TV tuner	None																																				
						Audio support	HD Audio, stereo speakers with Dolby® Audio™ certification, 3W x 2, dual array microphone																																				
						Display	21.5" (546mm) FHD (1920x1080) color, WVA, LED backlight, anti-glare, frameless 16:9 aspect ratio, 250 nits, IPS, borderless																																				
						Multi-touch (opt)	10-point multi touch																																				
						Light sensor	None																																				
						Controls	Power button, optional optical drive eject button, cable clip, camera eject button																																				
						WLAN	11ac wireless, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, M.2 card																																				
						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																				
						Ethernet	Gigabit Ethernet connection																																				
						Remote control	None																																				
						Security	Power-on password, administrator password, security slot																																				
						Security chip	None																																				
						Mechanical	● black or silver color																																				
								Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments																																	
							Without stand	19.32 X 2.25 X 12.5 (inch); 490.7 x 57.04 x 317.46 (mm)	N/A	N/A																																	
							With stand	19.32 X 8.34 X 15.27 (inch); 490.7 x 212 x 387.78 (mm)	12.5 / 5.65	Tilt: 25° back, -5° forward																																	
						Power adapter	90 or 120 watts PSU, 100V-240V																																				
						Camera	Some: 720p HD, fixed focus Some: IR camera, 1080p, (supports Windows Hello)																																				
						Keyboard (opt)	Some: Lenovo Calliope Keyboard (USB connector), black or silver Some: Lenovo Calliope Wireless Keyboard, black or silver																																				
						Mouse (opt)	Some: Lenovo Calliope Mouse (USB connector), black or silver Some: Lenovo Calliope Wireless Mouse, black or silver																																				
						Limited warranty	Some: 1-year or 2-year, depot repair service / service upgrades available Some: 1-year, limited mail-in service / service upgrades available																																				
Chipset	520-22IKU: Intel SoC (System on Chip) platform 520-22IKL: Intel B250 platform 520-22ICB: Intel B360 platform					Preload	Some: Windows® 10 Home 64 Preinstalled software includes but not limited to the following: <ul style="list-style-type: none"> • Lenovo® Companion 3.0 • Lenovo ID • Lenovo Settings • Lenovo Rescue System 9.0 • McAfee® LiveSafe™ (30-day trial) 																																				
Memory	22ICB: 16GB max / 2400MHz DDR4, two SO-DIMM sockets Others: 8GB max / 2400MHz DDR4, two SO-DIMM sockets																																										
Graphics	Some: Intel HD Graphics in processor, DirectX® 12 Some: AMD Radeon™ 530, 2GB GDDR5, DirectX® 12																																										
Storage	Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4 (e.g. 256GB SSD M.2 PCIe NVMe) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2 (e.g. 128GB SSD M.2 PCIe NVMe) Some: Intel Optane™ Memory, M.2					Environment	22ICB: ENERGY STAR® 7.0; ErP Lot 3; RoHS-compliant Others: ENERGY STAR 6.1 (will update to ENERGY STAR 7.0 after November); ErP Lot 3; RoHS-compliant																																				
SATA Controller	Serial ATA, SATA 6.0Gb/s support																																										
Optical (opt)	SATA connector, DVD±RW, 9.0mm high, tray-in																																										
Media reader	3-in-1 reader (SD, SDHC, SDXC) (bottom)																																										