

ideacentre AIO 520 (24") AMD F0DN003JGE

Region
WE

Country
Germany

Machine Type
F0DN

Processor
AMD A10-9700E (4C, 3.0 / 3.5GHz, 2MB)

Graphics
Integrated AMD Radeon R7 Graphics

Chipset
AMD B300

Memory
4GBx2 DDR4-2666

Storage
1TB 7200rpm + 128GB SSD M.2 PCIe NVMe

Optical
DVD±RW

Media Reader
3-in-1

Display
23.8" FHD (1920x1080) IPS

Multi-touch
None

Camera
720p

Microphone
Dual Array

HDMI
HDMI-in

WLAN + Bluetooth
11ac, 1x1 + BT4.0

Keyboard / Mouse
USB Black / USB Black

Power Supply
90W Adapter

Operating System
Windows 10 Home 64

Warranty
2-year, Depot

Ann Date (mm/yy)
08/18

Note:

* Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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ideacentre AIO 520 (24") AMD Platform Specifications

Product Specifications Reference (PSREF)

Processor	24AST: AMD A4, A6, A9, A10 or A12 series APUs					
	APU	Cores	Frequency (Base/Max)	Cache	Memory Type	Integrated Graphics
	A4-9120	2	2.2 GHz / 2.5 GHz	1 MB	DDR4-1866	Radeon™ R3
	A6-9220	2	2.5 GHz / 2.9 GHz	1 MB	DDR4-1866	Radeon R4
	A9-9420	2	3.0 GHz / 3.6 GHz	1 MB	DDR4-1866	Radeon R5
	A10-9620P	4	2.5 GHz / 3.4 GHz	2 MB	DDR4-1866	Radeon R5
	A12-9720P	4	2.7 GHz / 3.6 GHz	2 MB	DDR4-1866	Radeon R7
	24ARR: AMD Ryzen™ 3 / 5 series processors or A6, A10 series APUs					
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
	Ryzen 3 2200GE	4 / 4	3.2 GHz / 3.6 GHz	2 MB	DDR4-2666	Radeon Vega 8
Ryzen 5 2400GE	4 / 8	3.2 GHz / 3.8 GHz	Radeon RX Vega 11			
	A6-9500E	2 / -	3.0 GHz / 3.4 GHz	1 MB	DDR4-2400	Radeon R5
	A10-9700E	4 / -	3.0 GHz / 3.5 GHz	2 MB		Radeon R7
Memory	24AST: 8GB max / 2400MHz DDR4, two SO-DIMM sockets 24ARR: 16GB max / 2666MHz DDR4, two SO-DIMM sockets * System automatically clocks down for the processors with lower memory controller					
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) Optional DVD±RW, 9.0mm high, tray-in 3-in-1 media card reader (SD, SDHC, SDXC)					
Optical Media reader						
Graphics	24AST: Integrated AMD Radeon Graphics in processor, DirectX® 12 or AMD Radeon 530, 2GB GDDR5, DirectX 12 24ARR: Integrated AMD Radeon Graphics, AMD Radeon Vega 8 Graphics in processor, DirectX 12 or AMD Radeon RX Vega 11 Graphics in processor, DirectX 12 external monitor support via HDMI port; Max resolution: 1920x1080 (HDMI)@60Hz					
Display	23.8" (604.5mm) Full HD (1920x1080) color, WVA, LED backlight, anti-glare, borderless, 250 nits, 16:9 aspect ratio, IPS, -5° degrees to 25° degrees Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology					
Multi-touch	Some: 720p camera, fixed focus					
Camera	Some: IR camera, 1080p, supports Windows Hello					
Controls	Power button, optical drive eject button, cable clip, camera eject button					
Chipset	24AST: AMD SoC (System on Chip) platform 24ARR: AMD B300 platform					
Ports	Rear: Three USB 2.0, one USB 3.1 Gen1, one ethernet (RJ-45), one HDMI out port, optional one HDMI in port, one power connector, one security cable slot Right: one USB 3.1 Gen1 Bottom: one headphone / microphone combo jack (3.5mm), card reader					
M.2 card slot	Two M.2 Card slots (one for WLAN, one for SSD)					
Audio support	HD Audio, stereo speakers with Dolby® Audio™ certification, 3W x 2, dual array microphone					
WLAN ¹³ Bluetooth™ Ethernet	11ac Wi-Fi + Bluetooth 4.0 combo adapter, M.2 card, dual band, 1x1 Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet					
Manageability	None					
Security chip	Security chip					
Security features	Security features					
Keyboard (opt)	Some: Lenovo Calliope Keyboard (USB connector), silver or black Some: Lenovo Wireless Keyboard (2.4GHz via USB receiver), silver or black					
Mouse (opt)	Some: Lenovo Calliope Mouse (USB connector), silver or black Some: Lenovo Wireless Mouse (2.4GHz via USB receiver), silver or black					
Mechanical	● black or silver color					
		Dimensions (WxDxH)		Max weight (lb / kg)	Adjustments	
	Without stand	21.31 X 2.24 X 13.62 (inch); 541.2 x 57.3 x 346.06 (mm)		N/A	N/A	
	With stand	21.31 X 8.34 X 16.39 (inch); 541.2 x 212 x 416.8 (mm)		13.6 / 6.17	Tilt: 25° back, -5° forward	
Power supply	65 or 90 watts adapter, 100V-240V					
Limited warranty	1-year or 2-year, depot repair service / service upgrades available					
Preload	Preloaded operating system Some: Windows 10 Home 64-bit Preloaded applications (only some listed) ● Microsoft® Office 2016; purchase a product key to activate ● Lenovo® Settings ● Lenovo Application Explorer ● McAfee® LiveSafe™ (30-day trial) ● Lenovo ID ● Lenovo Family Cloud ● User Guide					
Environment	24AST: ENERGY STAR® 6.1; ErP Lot 3; GREENGUARD® certified; RoHS-compliant 24ARR: ENERGY STAR 7.0; ErP Lot 3; RoHS-compliant					
Accessories	For compatible accessories, please go to http://smartfind.lenovo.com					

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