ideacentre AIO 520-22AST Platform Specifications

Processor

AMD E2, A4, A6, A9, A10 or A12 series APUs

Processor	Cores	Frequency (Base/Max)	Cache	Memory Type	Integrated Graphics
E2-9010	2	2.0 GHz / 2.2 GHz	1 MB L2	DDR4-1866	Radeon™ R2
A4-9120	2	2.2 GHz / 2.5 GHz	1 MB L2	DDR4-1866	Radeon R3
A6-9220	2	2.5 GHz / 2.9 GHz	1 MB L2	DDR4-1866	Radeon R4
A9-9420	2	3.0 GHz / 3.6 GHz	1 MB L2	DDR4-1866	Radeon R5
A10-9620P	4	2.5 GHz / 3.4 GHz	2 MB L2	DDR4-1866	Radeon R5
A12-9720P	4	2.7 GHz / 3.6 GHz	2 MB L2	DDR4-1866	Radeon R7

Chipset: AMD SoC (System on Chip) platform

Memory: 8GB max / 2400MHz DDR4, two SO-DIMM sockets
* System automatically clocks down for the processors with lower memory controller

Graphics:
Some: AMD Radeon Graphics in processor
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)

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)*

Ports*:
Rear: USB 2.0 x 3, power connector, Ethernet (RJ-45), security cable slot, HDMI-out, USB 3.1 Gen1 x 1, optional HDMI-in
Bottom: headphone / microphone combo jack (3.5mm) x 1, media card reader
Right: USB 3.1 Gen1 x 1

TV tuner: None
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

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: Optional supports 10-point 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 warm silver

	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: 65 or 90 watts PSU, 100V-240V

Camera:
Some: 720p HD, fixed focus
Some: IR camera, 1080p, (support Windows Hello)

Keyboard *(opt)*:
Some: Lenovo Calliope Keyboard (USB connector), black or silver
Some: Lenovo Calliope Wireless Keyboard (2.4GHz), black or silver

Mouse *(opt)*:
Some: Lenovo Calliope Mouse (USB connector), black or silver
Some: Lenovo Calliope Wireless Mouse (2.4GHz), black or silver

Limited warranty:
Some: 1-year, limited mail-in service / service upgrades available
Some: 1-year or 2-year, depot repair service / service upgrades available

Preload: Windows® 10 Home 64
Preinstalled software includes but not limited to the following:
- Lenovo® Companion 3.0
- Lenovo ID
- Lenovo Settings
- Lenovo Rescue System 9.0
- McAfee® LiveSafe™ (30-day trial)

Environment: ENERGY STAR® 6.1 (will update to ENERY STAR 7.0 after November); ErP Lot 3; RoHS-compliant

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