ideacentre AIO 520-24ICB Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel Pentium Gold Processor or 8th Generation Intel Core i3 / i5 /i7 Processors

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Pentium Gold G5400T	2 / 4	3.1 GHz	4 MB	DDR4-2400	Intel UHD Graphics 610
Core i3-8100T	4 / 4	3.1 GHz	6 MB		Intel UHD Graphics 630
Core i5-8400T	6 / 6	1.7 GHz / 3.3 GHz	9 MB	DDR4-2666	
Core i7-8700T	6 / 12	2.4 GHz / 4.0 GHz	12 MB		

Chipset
Intel B360 platform

Memory
16GB max / 2600MHz DDR4, two SO-DIMM sockets
* System automatically clocks down for the processors with lower memory controller

Graphics
Some: Intel HD Graphics 520 / 610 / 620 / 630 or
Intel UHD Graphics 610 / 620 / 630 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)
Some: Intel Optane™ Memory, M.2

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 (for 24IKU / 24IKL), USB 3.1 Gen2 x 1 (only for 24ICB), optional HDMI-in
Bottom: headphone / microphone combo jack (3.5mm) x 1, media card reader
Right: USB 3.1 Gen1 x 1
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

TV tuner
None

Audio support
HD Audio, stereo speakers with Dolby® Audio™ certification, 3W x 2, dual array microphone

Display
23.8" (604.5mm) FHD (1920x1080) color, WVA, LED backlight, anti-glare, frameless 16:9 aspect ratio, 250 nits, IPS, borderless

Multi-touch *(opt)*
Support 10-point touch

Light sensor
None

Controls
Power button, 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	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 adapter
Some: 90 watts PSU, 100V-240V
Some: 120 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, 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, limited mail-in service / service upgrades available
Some: 1-year or 2-year, depot repair service / service upgrades available

Preload
Some: Windows® 10 Home 64
Some: Windows 10 Pro 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® 7.0; ErP Lot 3, RoHS-compliant, GREENGUARD® certified;

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