ideacentre AIO 520 (24") Intel F0D20064GE

Region
WE

Country
Germany

Machine Type
F0D2

Processor
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
8GBx1 DDR4-2400

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

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)
11/17

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") Intel Platform Specifications

Processor

24IKL: Intel® Celeron® Processor, Intel Pentium® Processor or 6th / 7th Generation Intel® Core™ i3 / i5 / i7 Processors

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Celeron G3930T	2 / 2	2.7 GHz	2 MB	DDR4-2133	Intel HD Graphics 610
Pentium G4560T	2 / 4	2.9 GHz	3 MB	DDR4-2400	
Core i3-7100T	2 / 4	3.4 GHz	3 MB		Intel HD Graphics 630
Core i5-7400T	4 / 4	2.4 GHz / 3.0 GHz	6 MB		
Core i7-7700T	4 / 8	2.9 GHz / 3.8 GHz	8 MB		

24IKU: Intel Pentium Processor or 6th / 7th / 8th Generation Intel Core i3 / i5 Processors

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Pentium 4415U	2 / 4	2.3 GHz	2 MB	DDR4-2133	Intel HD Graphics 610
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			
Core i5-8250U	4 / 8	1.6 GHz / 3.4 GHz	6 MB	DDR4-2400	Intel UHD Graphics 620

24ICB: 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
24IKL: Intel B250 platform
24IKU: Intel SoC (System on Chip) platform
24ICB: Intel B360 platform

Memory
24IKL: 12GB max / 2400MHz DDR4, two SO-DIMM sockets
24IKU: 8GB max / 2400MHz DDR4, two SO-DIMM sockets
24ICB: 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, PCIe 3.0 x 4
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

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
24ICB: ENERGY STAR® 7.0; ErP Lot 3; RoHS-compliant
Others: GREENGUARD® certified; ErP Lot 3; ENERGY STAR 6.1 (will update to ENERY STAR 7.0 after November)

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