

# ideacentre AIO 520 (22") Intel F0D500A5GE

Region  
WE

Country  
Germany

Machine Type  
F0D5

Processor  
Celeron 3865U (2C, 1.8GHz, 2MB)

Graphics  
Integrated Intel HD Graphics 610

Chipset  
Intel SoC Platform

Memory  
4GBx1

Storage  
1TB 7200rpm

Optical  
DVD±RW

Media Reader  
3-in-1

Display  
21.5" 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)  
01/18

## 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 (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 |                                                                                                                                                                          |                      |       |              |                        | Display                     | 21.5" (546mm) FHD (1920x1080) color, WVA, LED backlight, anti-glare, frameless 16:9 aspect ratio, 250 nits, IPS, borderless<br>10-point multi touch<br>None<br>Power button, optional optical drive eject button, cable clip, camera eject button |                                                                                                                                                                                                                                  |                      |                                |
|                 | Processor                                                                                                                | Cores / Threads                                                                                                                                                          | Frequency (Base/Max) | Cache | Memory Types | Integrated Graphics    | Multi-touch (opt)           |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Celeron 3865U                                                                                                            | 2 / 2                                                                                                                                                                    | 1.8 GHz              | 2 MB  | DDR4-2133    | Intel HD Graphics 610  | Light sensor                |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Pentium 4415U                                                                                                            | 2 / 4                                                                                                                                                                    | 2.3 GHz              |       |              | Controls               |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i3-6006U                                                                                                            | 2 / 4                                                                                                                                                                    | 2.0 GHz              | 3 MB  |              | Intel HD Graphics 520  | WLAN                        | 11ac wireless, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, M.2 card                                                                                                                                                                                 |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i3-7020U                                                                                                            | 2 / 4                                                                                                                                                                    | 2.3 GHz              |       |              | Intel HD Graphics 620  | Bluetooth™                  | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                             |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i5-7200U                                                                                                            | 2 / 4                                                                                                                                                                    | 2.5 GHz / 3.1 GHz    |       |              | Ethernet               | Gigabit Ethernet connection |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i5-8250U                                                                                                            | 4 / 8                                                                                                                                                                    | 1.6 GHz / 3.4 GHz    | 6 MB  | DDR4-2400    | Intel UHD Graphics 620 | 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);<br>490.7 x 57.04 x 317.46 (mm)                                                                                                                                                                       | N/A                  | N/A                            |
|                 |                                                                                                                          |                                                                                                                                                                          |                      |       |              |                        |                             | With stand                                                                                                                                                                                                                                        | 19.32 X 8.34 X 15.27 (inch);<br>490.7 x 212 x 387.78 (mm)                                                                                                                                                                        | 12.5 / 5.65          | Tilt: 25° back,<br>-5° forward |
|                 | 22IKL: Intel Celeron Processor, Intel Pentium Processor, or 7th Generation Intel Core i3 / i5 Processors                 |                                                                                                                                                                          |                      |       |              |                        | Power adapter               | 90 or 120 watts PSU, 100V-240V                                                                                                                                                                                                                    |                                                                                                                                                                                                                                  |                      |                                |
|                 | Processor                                                                                                                | Cores / Threads                                                                                                                                                          | Frequency (Base/Max) | Cache | Memory Types | Integrated Graphics    | Camera                      | Some: 720p HD, fixed focus<br>Some: IR camera, 1080p, (supports Windows Hello)                                                                                                                                                                    |                                                                                                                                                                                                                                  |                      |                                |
|                 | Celeron G3930T                                                                                                           | 2 / 2                                                                                                                                                                    | 2.7 GHz              | 2 MB  | DDR4-2133    | Intel HD Graphics 610  | Keyboard (opt)              | Some: Lenovo Calliope Keyboard (USB connector), black or silver                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Pentium G4560T                                                                                                           | 2 / 4                                                                                                                                                                    | 2.9 GHz              | 3 MB  |              |                        | Mouse (opt)                 | Some: Lenovo Calliope Wireless Keyboard, black or silver<br>Some: Lenovo Calliope Mouse (USB connector), black or silver<br>Some: Lenovo Calliope Wireless Mouse, black or silver                                                                 |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i3-7100T                                                                                                            | 2 / 4                                                                                                                                                                    | 3.4 GHz              | 6 MB  | DDR4-2400    | Intel HD Graphics 630  | Limited warranty            | Some: 1-year or 2-year, depot repair service / service upgrades available<br>Some: 1-year, limited mail-in service / service upgrades available                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i5-7400T                                                                                                            | 4 / 4                                                                                                                                                                    | 2.4 GHz / 3.0 GHz    |       |              |                        |                             | Preload                                                                                                                                                                                                                                           | Some: Windows® 10 Home 64<br>Preinstalled software includes but not limited to the following:<br>• Lenovo® Companion 3.0<br>• Lenovo ID<br>• Lenovo Settings<br>• Lenovo Rescue System 9.0<br>• McAfee® LiveSafe™ (30-day trial) |                      |                                |
|                 | 22ICB: Intel Celeron Processor, Intel Pentium Gold Processor, or 8th Generation Intel Core i3 / i5 Processors            |                                                                                                                                                                          |                      |       |              |                        | Environment                 | 22ICB: ENERGY STAR® 7.0; ErP Lot 3; RoHS-compliant<br>Others: ENERGY STAR 6.1 (will update to ENERY STAR 7.0 after November); ErP Lot 3; RoHS-compliant                                                                                           |                                                                                                                                                                                                                                  |                      |                                |
|                 | Processor                                                                                                                | Cores / Threads                                                                                                                                                          | Frequency (Base/Max) | Cache | Memory Types | Integrated Graphics    |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Celeron G4900T                                                                                                           | 2 / 2                                                                                                                                                                    | 2.9 GHz              | 2 MB  | DDR4-2400    | Intel HD Graphics 610  |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Pentium Gold G5400T                                                                                                      | 2 / 4                                                                                                                                                                    | 3.1 GHz              | 4 MB  |              | Intel UHD Graphics 610 |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i3-8100T                                                                                                            | 4 / 4                                                                                                                                                                    | 3.1 GHz              | 6 MB  | DDR4-2666    | Intel UHD Graphics 630 |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
|                 | Core i5-8400T                                                                                                            | 6 / 6                                                                                                                                                                    | 1.7 GHz / 3.3 GHz    | 9 MB  |              |                        |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
| Chipset         | 520-22IKU: Intel SoC (System on Chip) platform<br>520-22IKL: Intel B250 platform<br>520-22ICB: Intel B360 platform       |                                                                                                                                                                          |                      |       |              |                        |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
| Memory          | 22ICB: 16GB max / 2400MHz DDR4, two SO-DIMM sockets<br>Others: 8GB max / 2400MHz DDR4, two SO-DIMM sockets               |                                                                                                                                                                          |                      |       |              |                        |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
| Graphics        | Some: Intel HD Graphics in processor, DirectX® 12<br>Some: AMD Radeon™ 530, 2GB GDDR5, DirectX® 12                       |                                                                                                                                                                          |                      |       |              |                        |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
| Storage         | Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm<br>Some: M.2 SSD / PCIe, PCIe 3.0 x 4<br>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 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                                                                                                                                                         |                      |       |              |                        |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
| TV tuner        | None                                                                                                                     |                                                                                                                                                                          |                      |       |              |                        |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |
| Audio support   | HD Audio, stereo speakers with Dolby® Audio™ certification, 3W x 2, dual array microphone                                |                                                                                                                                                                          |                      |       |              |                        |                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                  |                      |                                |

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