# ideacentre AIO 520 (24") Intel F0DJ009GNY

**Region**
WE

**Country**
Netherlands

**Machine Type**
F0DJ

**Processor**
Core i5-8400T (6C, 1.7 / 3.3GHz, 9MB)

**Graphics**
Integrated Intel UHD Graphics 630

**Chipset**
Intel B360

**Memory**
8GBx1 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**
2.4G Silver / 2.4G Silver

**Power Supply**
90W Adapter

**Operating System**
Windows 10 Home 64

**Warranty**
2-year, Depot

**Ann Date (mm/yy)**
05/18

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

**www.lenovo.com**

This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifcations or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication “as is” without warranty of any kind, either express or implied, including the implied warranties of merchantability or ftness for a particular purpose.

**http://psref.lenovo.com**
Visit psref website for the latest version of Product Specifcations Reference.

© Lenovo, 2018. All rights reserved.



# 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 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

**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)

© Lenovo
September 2018

# ideacentre AIO 520 (24") Intel












