

# ideacentre AIO 520 (27") Intel F0DE0066GE

**Region**  
WE

**Country**  
Germany

**Machine Type**  
F0DE

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

**Graphics**  
AMD Radeon RX 550 4GB GDDR5

**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**  
27" QHD (2560x1440) IPS

**Multi-touch**  
None

**Camera**  
1080p

**Microphone**  
Dual Array

**HDMI**  
HDMI-in

**WLAN + Bluetooth**  
11ac, 1x1 + BT4.0

**Keyboard / Mouse**  
2.4G Silver / 2.4G Silver

**Power Supply**  
150W Adapter

**Operating System**  
Windows 10 Home 64

**Warranty**  
2-year, Depot

**Ann Date (mm/yy)**  
08/18

**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 (27") Intel Platform Specifications

Product Specifications Reference (PSREF)



Processor	<b>27IKL:</b> Intel® Pentium® Processor or 7th Generation Intel Core™ i3 / i5 Processors <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>Cache</th> <th>Memory Type</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Pentium G4560T</td> <td rowspan="2">2 / 4</td> <td>2.9 GHz</td> <td rowspan="2">3 MB</td> <td rowspan="4">DDR4-2400</td> <td>Intel HD Graphics 610</td> </tr> <tr> <td>Core i3-7100T</td> <td>3.4 GHz</td> <td>Intel HD Graphics 630</td> </tr> <tr> <td>Core i5-7400T</td> <td>4 / 4</td> <td>2.4 GHz / 3.0 GHz</td> <td>6 MB</td> </tr> <tr> <td>Core i7-7700T</td> <td>4 / 8</td> <td>2.9 GHz / 3.8 GHz</td> <td>8 MB</td> </tr> </tbody> </table> <b>27ICB:</b> 8th Generation Intel Core i5 / i7 Processors <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>Cache</th> <th>Memory Type</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i5-8400T</td> <td>6 / 6</td> <td>1.7 GHz / 3.3 GHz</td> <td>9 MB</td> <td rowspan="2">DDR4-2666</td> <td rowspan="2">Intel UHD Graphics 630</td> </tr> <tr> <td>Core i7-8700T</td> <td>6 / 12</td> <td>2.4 GHz / 4.0 GHz</td> <td>12 MB</td> </tr> </tbody> </table>						Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Type	Integrated Graphics	Pentium G4560T	2 / 4	2.9 GHz	3 MB	DDR4-2400	Intel HD Graphics 610	Core i3-7100T	3.4 GHz	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	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Type	Integrated Graphics	Core i5-8400T	6 / 6	1.7 GHz / 3.3 GHz	9 MB	DDR4-2666	Intel UHD Graphics 630	Core i7-8700T	6 / 12	2.4 GHz / 4.0 GHz	12 MB	<b>WLAN</b> 11ac wireless, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1, M.2 card <b>Bluetooth™</b> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter <b>Ethernet</b> Gigabit Ethernet connection
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Chipset	<b>27IKL:</b> Intel B250 platform <b>27ICB:</b> Intel B360 platform						<b>Remote control</b> None <b>Security</b> Power-on password, administrator password, security slot <b>Security chip</b> None																																							
Memory	<b>27IKL:</b> 16GB max / 2400MHz DDR4, two SO-DIMM sockets <b>27ICB:</b> 16GB max / 2666MHz DDR4, two SO-DIMM sockets						<b>Mechanical</b> ● silver color <table border="1"> <thead> <tr> <th>Non-touch model</th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td>Without stand</td> <td>24.21 X 4.99 X 15.25 (inch); 615 x 126.61 x 387.25 (mm)</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>With stand</td> <td>24.21 X 9.96 X 18.7 (inch); 615 x 252.85 x 474.9 (mm)</td> <td>19.47 / 8.83</td> <td>Tilt: 25° back, -5° forward</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Multi-touch model</th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td>Without stand</td> <td>24.21 X 4.99 X 15.88 (inch); 624.65 x 127.71 x 403.45 (mm)</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>With stand</td> <td>24.59 X 9.96 X 18.89 (inch); 624.65 x 252.85 x 479.79 (mm)</td> <td>23.15 / 10.5</td> <td>Tilt: 25° back, -5° forward</td> </tr> </tbody> </table>	Non-touch model	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments	Without stand	24.21 X 4.99 X 15.25 (inch); 615 x 126.61 x 387.25 (mm)	N/A	N/A	With stand	24.21 X 9.96 X 18.7 (inch); 615 x 252.85 x 474.9 (mm)	19.47 / 8.83	Tilt: 25° back, -5° forward	Multi-touch model	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments	Without stand	24.21 X 4.99 X 15.88 (inch); 624.65 x 127.71 x 403.45 (mm)	N/A	N/A	With stand	24.59 X 9.96 X 18.89 (inch); 624.65 x 252.85 x 479.79 (mm)	23.15 / 10.5	Tilt: 25° back, -5° forward															
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Graphics	<i>Some:</i> Intel HD Graphics 610 / 630 in processor, DirectX® 12 <i>Some:</i> Intel UHD Graphics 630 in processor, DirectX® 12 <i>Some:</i> NVIDIA® GeForce® 940MX, 2GB GDDR5, DirectX 12 <i>Some:</i> AMD Radeon™ RX 550, 4GB GDDR5, DirectX 12						<b>Power adapter</b> 120 or 150 watts PSU, 100V-240V																																							
Storage	<i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4 (e.g. 256GB SSD M.2 PCIe NVMe) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2 (e.g. 128GB SSD M.2 PCIe NVMe) <i>Some:</i> Intel Optane™ Memory , M.2						<b>Camera</b> <i>Some:</i> 1080p HD, fixed focus <i>Some:</i> IR camera, 1080p, (support Windows Hello)																																							
SATA Controller	Serial ATA, SATA 6.0Gb/s support						<b>Keyboard (opt)</b> <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black or silver <i>Some:</i> Lenovo Calliope Wireless Keyboard, black or silver																																							
Optical (opt)	SATA connector, DVD±RW, 9.0mm high, tray-in						<b>Mouse (opt)</b> <i>Some:</i> Lenovo Calliope Mouse (USB connector), black or silver <i>Some:</i> Lenovo Calliope Wireless Mouse, black or silver																																							
Media reader	3-in-1 reader (SD, SDHC, SDXC) (bottom)						<b>Limited warranty</b> <i>Some:</i> 1-year, limited mail-in service / service upgrades available <i>Some:</i> 1-year or 2-year, depot repair service / service upgrades available																																							
Ports	<b>Rear:</b> Two USB 2.0, one USB 3.1 Gen 1, one USB 3.1 Type-C Gen 1 (Always On), one ethernet (RJ-45), one HDMI-out port, optional one HDMI-in port, one power connector, one security cable slot <b>Right:</b> one USB 3.1 Gen1 <b>Bottom:</b> one headphone / microphone combo jack (3.5mm), card reader						<b>Preload</b> <i>Some:</i> Windows® 10 Home 64 <i>Some:</i> Windows 10 pro 64 Preinstalled software includes but not limited to the following: <ul style="list-style-type: none"> <li>• Lenovo® Companion 3.0</li> <li>• Lenovo ID</li> <li>• Lenovo Settings</li> <li>• Lenovo Rescue System 9.0</li> <li>• McAfee® LiveSafe™ (30-day trial)</li> </ul>																																							
TV tuner	None						<b>Environment</b> <b>27IKL:</b> ENERGY STAR® 6.1; GREENGUARD® certified; ErP Lot 3; RoHS-compliant <b>27ICB:</b> ENERGY STAR 7.0; ErP Lot 3; RoHS-compliant																																							
Audio support	HD Audio, stereo speakers with Dolby Premium™ certification, 3W x 2, dual array microphone																																													
Display	27" (685mm) QHD (2560x1440) color, WVA, LED backlight, frameless 16:9 aspect ratio, 250 nits, IPS, borderless, anti-glare (only for non-touch model)																																													
Multi-touch(opt)	Support 10-point touch																																													
Light sensor	None																																													
Controls	Power button, optional optical drive eject button, cable clip, camera eject button																																													

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