

# ideacentre AIO 520 (27") Intel F0DE003HBG

Region  
EET

Country  
Bulgaria

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  
None

Warranty  
2-year, Depot

Ann Date (mm/yy)  
06/18

## 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](http://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 specifications 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 fitness for a particular purpose.



<http://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.

© Lenovo, 2017. All rights reserved.



Lenovo™

# 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
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																																											
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															
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																																											
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																																													

# ideacentre AIO 520 (27") Intel

