

ideacentre 720 Intel 90H0005AGE

Region
WE

Country
Germany

Machine Type
90H0

Processor
Core i5-7400 (4C, 3.0 / 3.5GHz, 6MB)

Graphics
NVIDIA GeForce GTX 1050 Ti 4GB GDDR5

Chipset
Intel B250

Memory
8GBx1 DDR4-2400

Storage
128GB SSD M.2 PCIe NVMe + 1TB 7200rpm
3.5"

Optical
DVD±RW

Media Reader
None

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

Keyboard / Mouse
USB Black / USB Black

System Fan
One Rear

Power Supply
250W Energy Star

Operating System
Windows 10 Home 64

Warranty
2-year, Depot

Ann Date (mm/yy)
10/17

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

 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, 2018. All rights reserved.



Lenovo™

ideacentre 720 Intel Platform Specifications

Product Specifications Reference (PSREF)



Processor	<p>ICB: Intel® Pentium® Processor or 8th Generation Intel Core™ i3 / i5 / i7 Processors</p> <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>L2 Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Pentium Gold G5400</td> <td>2 / 4</td> <td>3.7 GHz</td> <td>4 MB</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 610</td> </tr> <tr> <td>Core i3-8100</td> <td>4 / 4</td> <td>3.6 GHz</td> <td>6 MB</td> <td>DDR4-2400</td> <td rowspan="3">Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-8400</td> <td>6 / 6</td> <td>2.8 GHz / 4.0 GHz</td> <td>9 MB</td> <td rowspan="2">DDR4-2666</td> </tr> <tr> <td>Core i7-8700</td> <td>6 / 12</td> <td>3.2 GHz / 4.6 GHz</td> <td>12 MB</td> </tr> </tbody> </table> <p>IKL: Intel Celeron® Processor, Intel Pentium Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processors</p> <table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency (Base/Max)</th> <th>L2 Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Celeron G3930</td> <td>2 / 2</td> <td>2.9 GHz</td> <td>2 MB</td> <td>DDR4-2133</td> <td>Intel HD Graphics 610</td> </tr> <tr> <td>Pentium G4560</td> <td>2 / 4</td> <td>3.5 GHz</td> <td>3 MB</td> <td>DDR4-2400</td> <td rowspan="4">Intel HD Graphics 630</td> </tr> <tr> <td>Core i3-7100</td> <td>2 / 4</td> <td>3.9 GHz</td> <td>3 MB</td> <td>DDR4-2400</td> </tr> <tr> <td>Core i5-7400</td> <td>4 / 4</td> <td>3.0 GHz / 3.5 GHz</td> <td>6 MB</td> <td>DDR4-2400</td> </tr> <tr> <td>Core i7-7700</td> <td>4 / 8</td> <td>3.6 GHz / 4.2 GHz</td> <td>8 MB</td> <td>DDR4-2400</td> </tr> </tbody> </table>						Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics	Pentium Gold G5400	2 / 4	3.7 GHz	4 MB	DDR4-2400	Intel UHD Graphics 610	Core i3-8100	4 / 4	3.6 GHz	6 MB	DDR4-2400	Intel UHD Graphics 630	Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB	DDR4-2666	Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB	Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics	Celeron G3930	2 / 2	2.9 GHz	2 MB	DDR4-2133	Intel HD Graphics 610	Pentium G4560	2 / 4	3.5 GHz	3 MB	DDR4-2400	Intel HD Graphics 630	Core i3-7100	2 / 4	3.9 GHz	3 MB	DDR4-2400	Core i5-7400	4 / 4	3.0 GHz / 3.5 GHz	6 MB	DDR4-2400	Core i7-7700	4 / 8	3.6 GHz / 4.2 GHz	8 MB	DDR4-2400
Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics																																																													
Pentium Gold G5400	2 / 4	3.7 GHz	4 MB	DDR4-2400	Intel UHD Graphics 610																																																													
Core i3-8100	4 / 4	3.6 GHz	6 MB	DDR4-2400	Intel UHD Graphics 630																																																													
Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB	DDR4-2666																																																														
Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB																																																															
Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics																																																													
Celeron G3930	2 / 2	2.9 GHz	2 MB	DDR4-2133	Intel HD Graphics 610																																																													
Pentium G4560	2 / 4	3.5 GHz	3 MB	DDR4-2400	Intel HD Graphics 630																																																													
Core i3-7100	2 / 4	3.9 GHz	3 MB	DDR4-2400																																																														
Core i5-7400	4 / 4	3.0 GHz / 3.5 GHz	6 MB	DDR4-2400																																																														
Core i7-7700	4 / 8	3.6 GHz / 4.2 GHz	8 MB	DDR4-2400																																																														
Memory	<p>IKL: 32GB max, 2400MHz DDR4, two UDIMM sockets ICB: 32GB max, 2666MHz DDR4, two UDIMM sockets</p>																																																																	
Storage	<p>Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x4, 32Gb/s Some: Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x2, 16Gb/s, M.2 * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s</p>																																																																	
Optical (optional)	<p>DVD±RW, SATA 1.5Gb/s, 9mm slim</p>																																																																	
Onboard SATA	<p>IKL: SATA 6.0Gb/s controller, four SATA connectors ICB: SATA 6.0Gb/s controller, three SATA connectors</p>																																																																	
Media reader	<p>Optional 7-in-1 media reader</p>																																																																	
Graphics	<p>Some: Intel HD Graphics 610 / 630 or UHD Graphics 610 / 630 in processor, uses main memory, DirectX® 12 Some: NVIDIA® GeForce® GT 730, DirectX 12, 2GB GDDR3 or GDDR5, PCIe 2.0 x8 adapter, VGA x1, HDMI x1 Some: NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX12, DVI x1, HDMI x1, DP x1 Some: NVIDIA Geforce GTX 1060, 6GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x3 Some: AMD Radeon R5 460, DirectX 12, 4GB GDDR5, PCIe 3.0 x8 adapter, DVI x1, HDMI x1, DP x1 Some: AMD Radeon RX 480, DirectX 12, 8GB GDDR5, PCIe 3.0 x16 adapter, HDMI x1, DP x3 Some: AMD Radeon RX 550, DirectX 12, 2GB GDDR5, PCIe 3.0 x16 adapter, VGA x1, HDMI x1, DP x1 Some: AMD Radeon RX 560, DirectX 12, 4GB GDDR5, PCIe 3.0 x16 adapter, DVI x1, HDMI x1, DP x1 Some: AMD Radeon RX 570, DirectX 12, 4GB GDDR5, PCIe 3.0 x16 adapter, HDMI x1, DP x3</p>																																																																	
Chipset	<p>ICB: Intel B360 chipset; IKL: Intel B250 chipset</p>																																																																	
Front ports	<p>IKL: four USB 3.1 Gen1, one headphone / microphone combo jack (3.5mm), one microphone (3.5mm), optional media reader ICB: two USB 3.1 Gen1, two USB 3.1 Gen2, one USB 3.1 Type-C Gen1 one headphone / microphone combo jack (3.5mm), one microphone (3.5mm), optional media reader</p>																																																																	
Rear ports	<p>IKL: two USB 2.0, two USB 3.1 Gen1, ethernet (RJ-45), VGA, HDMI (1.4), power connector, three audio ports ICB: four USB 2.0, ethernet (RJ-45), VGA, HDMI (1.4), power connector, one headphone / microphone combo jack (3.5mm)</p>																																																																	
Rear audio ports	<p>Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)</p>																																																																	
Audio support	<p>High Definition (HD) Audio, Realtek ALC662</p>																																																																	
WLAN (optional)	<p>Some: 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 2x2</p>																																																																	
Bluetooth™ (opt)	<p>Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</p>																																																																	
Ethernet	<p>One gigabit ethernet port, Realtek® RTL8111GN (IKL model) or Intel I219-V (for ICB)</p>																																																																	
Security features	<ul style="list-style-type: none"> Power-on password Hard-disk password Administrator password Kensington® lock 																																																																	
Keyboard (opt)	<p>Some: Lenovo Calliope Keyboard (USB connector), Fn keys, black or silver Some: Lenovo Calliope Wireless Keyboard, Fn keys, black or silver</p>																																																																	
Mouse (optional)	<p>Some: Lenovo Calliope Mouse (USB connector), 1600 dpi, black or silver Some: Lenovo Calliope Wireless Mouse, 1200 dpi Some: Lenovo Fingerprint Mouse (USB connector), 1600 dpi</p>																																																																	
Mechanical	<ul style="list-style-type: none"> Tower (18L), black color Dimensions (WxDxH): 6.5" x 12.76" x 14.8"; 165mm x 324mm x 376mm Weights (net weight): 17.64 lb (8 kg), weight may vary by configuration Optional front and rear system fan Bay 1: slim ODD bay Bay 2: 5.25", ODD bay (without 3.5" HDD bracket) Bay 3: 3.5" or 2.5", HDD bay Slot 1: full-length, full-height, PCIe x16 Slot 2: full-length, full-height, PCIe x1 PCIe M.2 slot x2 (one for WLAN, another for SSD / Optane memory) 																																																																	
Power supply	<p>Some: 180 watts, autosensing, EnergyStar 6.1, universal (100V-240V) Some: 250 watts, autosensing, EnergyStar 6.1, universal (100V-240V) Some: 400 watts, autosensing, EnergyStar 6.1, universal (100V-240V)</p>																																																																	
Limited warranty	<ul style="list-style-type: none"> 1-year, limited mail-in service / service upgrades available 1-year or 2-year, depot repair service / service upgrades available 																																																																	
Preload	<p>Preloaded operating system Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 Preloaded applications (only some listed)</p> <ul style="list-style-type: none"> Lenovo® Rescue System Lenovo Companion Lenovo ID Adobe® Reader® 																																																																	
Environment	<p>IKL: ENERGY STAR® 6.1; ErP Lot 3; GREENGURAD®; RoHS-compliant ICB: ENERGY STAR® 6.1 (support version 7.0 after November); ErP Lot 3; RoHS-compliant</p>																																																																	

ideacentre 720 Intel

