

ideacentre 720-18APR [90HY0042GE](#)

Product

ideacentre 720-18APR

Region

WE

Country/Region

Germany

Machine Type

90HY

Processor

AMD Ryzen 5 2400G (4C / 8T, 3.6 / 3.9GHz, 2MB L2 / 4MB L3)

Graphics

Integrated AMD Radeon Vega 11 Graphics

Chipset

AMD B450

Memory

2x 4GB DIMM DDR4-2666

Storage

256GB SSD M.2 2280 PCIe

Optical

9.0mm DVD±RW

Media Reader

7-in-1

WLAN + Bluetooth

11ac, 1x1 + BT4.0

Keyboard / Mouse

USB Black / USB Black

System Fan

None

Power Supply

180W

Operating System

Windows 10 Home 64

Color

Black

Base Warranty

2-year, Depot

Upsell Service Bundles

None

End of Support

2020-05-02

EAN / UPC

193386674351

Announce Date

2019-04-02

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Lenovo™

Ideacentre 720 AMD Platform Specifications

Product Specifications Reference (PSREF)



Processor	<p><i>ASU:</i> AMD Athlon™, A series or Ryzen™ series APU</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>A10-9700</td> <td>4 / -</td> <td>3.5 GHz / 3.8 GHz</td> <td>2 MB</td> <td rowspan="2">DDR4-2400</td> <td rowspan="2">Radeon™ R7 Graphics</td> </tr> <tr> <td>Athlon X4 950</td> <td>4 / 4</td> <td>3.5 GHz / 3.8 GHz</td> <td>2 MB</td> </tr> <tr> <td>Ryzen 3 1200</td> <td>4 / 4</td> <td>3.1 GHz / 3.4 GHz</td> <td>2 MB</td> <td rowspan="3">DDR4-2667</td> <td rowspan="3">-</td> </tr> <tr> <td>Ryzen 5 1400</td> <td>4 / 8</td> <td>3.2 GHz / 3.4 GHz</td> <td>2 MB</td> </tr> <tr> <td>Ryzen 7 1700</td> <td>8 / 16</td> <td>3.0 GHz / 3.7 GHz</td> <td>4 MB</td> </tr> </tbody> </table> <p><i>APR:</i> AMD Ryzen series APU</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>Ryzen 3 2200G</td> <td>4 / 4</td> <td>3.5 GHz / 3.7 GHz</td> <td rowspan="2">2 MB</td> <td>DDR4-2667</td> <td>Radeon Vega 8 Graphics</td> </tr> <tr> <td>Ryzen 5 2400G</td> <td>4 / 8</td> <td>3.6 GHz / 3.9 GHz</td> <td>DDR4-2933</td> <td>Radeon RX Vega 11 Graphics</td> </tr> <tr> <td>Ryzen 5 2600</td> <td>6 / 12</td> <td>3.4 GHz / 3.9 GHz</td> <td>3 MB</td> <td>-</td> <td>-</td> </tr> <tr> <td>Ryzen 7 2700</td> <td>8 / 16</td> <td>3.2 GHz / 4.1 GHz</td> <td>4 MB</td> <td>-</td> <td>-</td> </tr> </tbody> </table>						Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics	A10-9700	4 / -	3.5 GHz / 3.8 GHz	2 MB	DDR4-2400	Radeon™ R7 Graphics	Athlon X4 950	4 / 4	3.5 GHz / 3.8 GHz	2 MB	Ryzen 3 1200	4 / 4	3.1 GHz / 3.4 GHz	2 MB	DDR4-2667	-	Ryzen 5 1400	4 / 8	3.2 GHz / 3.4 GHz	2 MB	Ryzen 7 1700	8 / 16	3.0 GHz / 3.7 GHz	4 MB	Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics	Ryzen 3 2200G	4 / 4	3.5 GHz / 3.7 GHz	2 MB	DDR4-2667	Radeon Vega 8 Graphics	Ryzen 5 2400G	4 / 8	3.6 GHz / 3.9 GHz	DDR4-2933	Radeon RX Vega 11 Graphics	Ryzen 5 2600	6 / 12	3.4 GHz / 3.9 GHz	3 MB	-	-	Ryzen 7 2700	8 / 16	3.2 GHz / 4.1 GHz	4 MB	-	-	<p>Front ports* <i>ASU:</i> two USB 2.0, two USB 3.1 Gen 1, one microphone (3.5mm), one headphone / microphone combo jack (3.5mm), optional media reader <i>APR:</i> two USB 3.1 Gen 1, two USB 3.1 Gen 2, one microphone (3.5mm), one headphone / microphone combo jack (3.5mm), optional media reader</p> <p>Rear ports* <i>ASU:</i> two USB 2.0, ethernet (RJ-45), VGA, HDMI (1.4), serial connector, power connector <i>APR:</i> two USB 2.0, two USB 3.1 Gen 1, ethernet (RJ-45), VGA, HDMI (1.4), power connector</p> <p>Rear audio ports Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm) <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i></p> <p>Audio support High Definition (HD) Audio, Realtek® ALC662</p> <p>WLAN (<i>optional</i>) <i>Some:</i> 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1 <i>Some:</i> 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 2x2</p> <p>Bluetooth™ (<i>opt</i>) Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</p> <p>Ethernet One gigabit ethernet port</p> <p>Security features <ul style="list-style-type: none"> • Power-on password • Hard-disk password • Administrator password • Kensington® lock </p> <p>Keyboard (<i>opt</i>) <i>Some:</i> Lenovo Calliope Keyboard (USB connector), Fn keys, black <i>Some:</i> Lenovo Calliope Wireless Keyboard, Fn keys, silver</p> <p>Mouse (<i>optional</i>) <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse, black <i>Some:</i> Lenovo Fingerprint Mouse (USB connector), silver</p>
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Memory	<p><i>ASU:</i> 32GB max, 2400MHz DDR4, two UDIMM sockets <i>APU:</i> 32GB max, 2666MHz DDR4, two UDIMM sockets <i>* System automatically clocks down for the processors with lower memory controller</i></p>						<p>Mechanical <ul style="list-style-type: none"> • Tower (18L), silver / 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 optical bay Bay 2: 5.25", ODD bay (without 3.5" HDD bracket) Bay 3: 3.5", 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) </p>																																																											
Storage	<p><i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2</p>						<p>Power supply <i>Some:</i> 180 watts, autosensing, EnergyStar 6.1, universal (100V-240V) <i>Some:</i> 250 watts, autosensing, EnergyStar 6.1, universal (100V-240V) <i>Some:</i> 400 watts, autosensing, EnergyStar 6.1, universal (100V-240V)</p>																																																											
Optical (<i>optional</i>)	<p>DVD±RW, SATA 1.5Gb/s, 9mm slim</p>						<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 </p>																																																											
Onboard SATA	<p><i>ASU:</i> SATA 6.0Gb/s controller, two SATA connectors <i>APR:</i> SATA 6.0Gb/s controller, three SATA connectors</p>						<p>Preload <ul style="list-style-type: none"> • Preloaded operating system • Windows® 10 Home 64 • Preloaded applications (only some listed) <ul style="list-style-type: none"> • Lenovo® Rescue System • Lenovo Companion • Lenovo ID • Adobe® Reader® </p>																																																											
Media reader	<p>Optional 7-in-1 media reader</p>						<p>Environment <i>ASU:</i> ENERGY STAR® 6.1; ErP Lot 3; GREENURAD®; RoHS-compliant <i>APR:</i> ENERGY STAR® 6.1 (support version 7.0 after November); ErP Lot 3; RoHS-compliant</p>																																																											
Graphics	<p><i>Some:</i> AMD Radeon R7, Vega 8, RX Vega 11 Graphics in processor, uses main memory, DirectX® 12</p> <p><i>Some:</i> NVIDIA® GeForce® GT 730, DirectX 12, 2GB GDDR3 or GDDR5, PCIe 2.0 x8 adapter, VGA x1, HDMI x1</p> <p><i>Some:</i> NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX12, DVI x1, HDMI x1, DP x1</p> <p><i>Some:</i> NVIDIA GeForce GTX 1060, 6GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x3</p> <p><i>Some:</i> AMD Radeon® R5 340, DirectX 12, 1GB GDDR5, PCIe 3.0 x8 adapter, VGA x1, HDMI x1</p> <p><i>Some:</i> AMD Radeon R5 460, DirectX 12, 4GB GDDR5, PCIe 3.0 x8 adapter, DVI x1, HDMI x1, DP x1</p> <p><i>Some:</i> AMD Radeon RX 480, DirectX 12, 8GB GDDR5, PCIe 3.0 x16 adapter, HDMI x1, DP x3</p> <p><i>Some:</i> AMD Radeon RX 550, DirectX 12, 2GB GDDR5, PCIe 3.0 x16 adapter, VGA x1, HDMI x1, DP x1</p> <p><i>Some:</i> AMD Radeon RX 560, DirectX 12, 4GB GDDR5, PCIe 3.0 x16 adapter, DVI x1, HDMI x1, DP x1</p> <p><i>Some:</i> AMD Radeon RX 570, DirectX 12, 4GB GDDR5, PCIe 3.0 x16 adapter, HDMI x1, DP x3</p>																																																																	
Chipset	<p><i>ASU:</i> AMD B300 chipset; <i>APR:</i> AMD B450 chipset</p>																																																																	

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