ideacentre 720-18APR Platform Specifications

Product Specifications Reference (PSREF)

Processor AMD Ryzen series APU

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		-

Memory 32GB max, 2666MHz DDR4, two UDIMM sockets
* System automatically clocks down for the processors with lower memory controller

Storage *Some:* SATA 6.0Gb/s, 3.5" wide, 7200 rpm
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2
Optical *(optional)* DVD±RW, SATA 1.5Gb/s, 9mm slim
Onboard SATA SATA 6.0Gb/s controller, three SATA connectors
Media reader Optional 7-in-1 media reader

Graphics
Some: AMD Radeon R7, Vega 8, RX Vega 11 Graphics 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 340, DirectX 12, 1GB GDDR5, PCIe 3.0 x8 adapter, VGA x1, HDMI x1
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 550X, 4GB GDDR5, DirectX 12, one HDMI, one VGA, one DP; Max resolution: 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz; 2048x1536 (VGA)@60Hz
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

Chipset AMD B450 chipset

Front ports* 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
Rear ports* two USB 2.0, two USB 3.1 Gen 1, ethernet (RJ-45), VGA, HDMI (1.4), power connector
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*
Rear audio ports Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)

Audio support High Definition (HD) Audio, Realtek® ALC662

WLAN *(optional)* *Some:* 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1
Some: 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 2x2
Bluetooth™ *(opt)* Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet One gigabit ethernet port

Security features
- Power-on password
- Hard-disk password
- Administrator password
- Kensington® lock

Keyboard *(opt)* *Some:* Lenovo Calliope Keyboard (USB connector), Fn keys, black
Some: Lenovo Calliope Wireless Keyboard, Fn keys, silver
Mouse *(optional)* *Some:* Lenovo Calliope Mouse (USB connector),black
Some: Lenovo Calliope Wireless Mouse, black
Some: Lenovo Fingerprint Mouse (USB connector), silver

Mechanical
- Tower (18L), black chassis, warm silver bezel
- 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)

Power supply *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)

Limited warranty
- 1-year, limited mail-in service / service upgrades available
- 1-year or 2-year, depot repair service / service upgrades available

Preload Preloaded operating system
Windows® 10 Home 64
Preloaded applications (only some listed)
- Lenovo® Rescue System
- Lenovo Companion
- Lenovo ID
- Adobe® Reader®

Environment ENERGY STAR® 6.1 (support version 7.0 after November); ErP Lot 3; RoHS-compliant