



sysGen simCUBE™ One Simulation-Workstation

The simCUBE™ One Workstations combines highest Single-Core-Frequency with silent computing.

The heart of the simCUBE One is the Intel® Core™ i7-6700K processor. SysGen brings this state-of-the-art CPU to an even higher maximum with stunning 4.7 GHz per Core. We achieve this with advanced overclocking techniques and modern water-cooling systems. In addition with max. 64GB DDR4 memory and up to 3 graphic cards, the simCUBE-1 delivers you all the power you need to be as productive as possible.

Since the simCUBE is meant to be a desktide solution, sysGen put a focus on silencing this tremendous CPU power. In combination with a modern water-cooling system with two 140mm fans and high density noise-reducing material throughout the case, you can keep the focus on your projects, and won't get disturbed by annoying sounds.



Key Features:

- Intel® Core™ i7-6700K Processor (8M Cache, up to 4.70 GHz per Core via overclocking)
- Multi-GPU Support: NVIDIA® Quad-GPU (2-Way) SLI™, AMD Quad-GPU (3-Way) CrossFireX™
- Highest level of silent computing through strategically placed dense sound-absorbing material, and the low noise Water Cooling System NZXT Kraken X61 (20 - 37 dB(A))
- Max. 64GB, DDR4 up to 3000 (O.C.) MHz, Non-ECC, Un-buffered Memory, supports Intel® Extreme Memory Profile (XMP), Dual Channel Memory Architecture
- 1000W Enermax Platimax Power Supply 12 - 25,9 dB(A)

Specifications

CPU	
Intel® Core™ i7-6700K Processor	Max Turbo Frequency per Core 4.70 GHz via overclocking, 4 Cores, 8 Threads, Lithography 14 nm, Intel® HD Graphics 530, 16 PCI-e Lanes
Memory	
Max. 64GB DDR4	up to 3000(O.C.) MHz Non-ECC, Un-buffered Memory Dual Channel Memory Architecture Supports Intel® Extreme Memory Profile (XMP)
Graphic	
Multi-GPU Support	Supports NVIDIA® Quad-GPU SLI™ Technology (2-Way) Supports AMD Quad-GPU CrossFireX™ Technology (3-Way)
Integrated Graphics Processor	Intel® HD Graphics support Multi-VGA output support : HDMI/DVI-D/RGB/DisplayPort ports Maximum shared memory of 512 MB



Case	
	Case dimensions (WxHxD): 232 x 451 x 521mm Front interface at the top high density noise-reducing material throughout the case Filtered fan slots in the front and bottom Front door can switch opening direction via dual mounting system
Mainboard	
Chipset	Intel® Z170
Expansion Slots	2 x PCIe 3.0/2.0 x16 (x16 or dual x8) 1 x PCIe 3.0/2.0 x16 (max at x4 mode) 3 x PCIe 3.0/2.0 x1 / 1 x PCI
Storage	1 x SATA Express port, compatible with 2 x SATA 6.0 Gb/s ports 1 x M.2 x4 Socket 3, with M Key, type 2242/2260/2280/22110 storage devices support (both SATA & PCIE mode) 6 x SATA 6Gb/s port(s), gray Support Raid 0, 1, 5, 10 2 - 5.25" bays (removable) 8 - 3.5" HDD positions (can also accommodate 2.5" units); 2 - 2.5" dedicated SSD unit positions Supports Intel® Smart Response Technology
Ports	
USB	Back: 1 x USB 3.1 Type-C / 1 x USB 3.1 Type-A 2 x USB 3.0 Type-A / 2 x USB 2.0 Front: 2 x USB 3.0 / 2 x USB 2.0
Other I/O Ports	1 x PS/2 keyboard/mouse combo port(s) 1 x DVI-D / 1 x D-Sub / 1 x DisplayPort / 1 x HDMI 1 x LAN (RJ45) port(s) 1 x Optical S/PDIF out 5 x Audio jack(s) Front: 1 x Audio in 1x Audio out
Cooling	
CPU	NZXT Kraken X61 Water-cooling All-in-One System with 2x 140mm Fans Only 20 – 37 dB(A)
Case-Fans	2 x 140mm Fans in the front and the back
Power Supply	
	1000W 80 PLUS® Platinum Integrated 13.9cm fan ensures efficient, ultra silent cooling and long lifetime Non-Stop industrial class performance at 50°C ambient