

Compute Series X7000 - Intel



Professional Liquid Cooled Workstations

EK Fluid Works Compute Series workstations are designed for **researchers and deep learning developers** who demand the computing power typically reserved for rack-mount servers, but prefer a desk-side solution.

Optimized for:

- Data Science
- Machine Learning & Deep Learning
- Scientific Computing

Quick Specs:

- Dual 2nd Gen Intel Xeon Scalable CPUs
- 1x to 5x GPUs
- 128 GB to 768 GB ECC Memory
- 2 x 1600W PSUs



Innovation Sets Us Apart



UNRIVALED THERMAL PERFORMANCE
Liquid Cooling Unleashes Performance and Longevity



UNMATCHED FLEXIBILITY
User Serviceable and Upgradeable



UNBEATABLE ACOUSTIC PERFORMANCE
Extreme Performance Without Noise Pollution



UNDENIABLY BETTER ROI
Better than Air Cooled – Better than other Liquid Cooled

Why Liquid Cooling?

UNPARALLELED COOLING PERFORMANCE

Water is more effective at removing heat, resulting in lower sustained operating temperatures.

QUIET OPERATION

Larger fans move more air at lower speeds and are almost imperceptible under normal operation.

GREATER PERFORMANCE OUTPUT

Eliminating thermal throttling removes bottlenecks and increases performance output.

INCREASED COMPUTE DENSITY

Liquid cooled GPUs occupy less space, allowing 2x – 3x compute power in the same cubic footprint.

LONGER LIFESPAN

Liquid cooling eliminates thermal fatigue, allowing components to stay cooler and last longer.

Motherboard	ASRock Rack EP2C621D12 WS				
	Chipset	C621			
	Socket	LGA 3647			
	PCIe Lanes per GPU	16			
	Multi-Threading	Yes			
CPUs	Dual Intel Xeon Scalable	Silver 4216	Gold 6230	Platinum 8260	Platinum 8280
	Frequency (GHz) Base / Boost	2.1 / 3.2	2.1 / 3.9	2.4 / 3.9	2.7 / 4.0
	Cores / Threads	16 / 32 (32 / 64 total)	20 / 40 (40 / 80 total)	24 / 48 (48 / 96 total)	28 / 56 (56 / 112 total)
	Cooling	Liquid			
Memory	128GB (4 x 32GB ECC), 256GB (8 x 32GB ECC), 512GB (8 x 64GB ECC), 768GB (12 x 64GB ECC)				
	DIMM Sockets	8 x DDR4			
	Speed	2666 / 2933 MHz			
	Error Correcting	ECC			
Expansion Slots	5 x PCIe 3.0 x16				
GPUs	NVIDIA RTX A6000, Quadro RTX 8000, Quadro GV100, Tesla V100, A100				
	Max GPUs	5			
	Cooling	Liquid			
Storage	2x NVMe M.2 SSD / 8x SATA SSD or 6x SATA SSD + 1x ODD				
	Boot Drive	1x NVMe M.2 SSD PCIe 3.0 x4 (1TB, 2TB)			
	Additional NVMe Storage	1x NVMe M.2 SSD PCIe 3.0 x4 (1TB, 2TB)			
	Additional SATA Storage	8 x SATA III 2.5" SSD (1, 2, 4 or 8TB)		6 x SATA III 2.5" SSD (1, 2, 4 or 8TB)	
	Optical Drive (ODD)	N/A		1 x DVD±RW or DVD±RW/Blu-ray	
Power Supply	2 x 1600 Watt Platinum				
I/O Ports	Front I/O				
	Audio				
	4 x USB (Type-A)				
	Rear I/O				
	2 x USB 3.2 Gen 1				
	4 x 1GbE LAN				
	1 x IPMI LAN				
Cooling	CPU & GPU: EK custom liquid cooling, Case: Forced air				
	2 x pumps				
	2 x reservoirs				
	2 x 120mm x 480mm radiators				
	8 x 120mm fans				
	Quick Disconnect Couplings (QDC)				
	xenowulf Smart Pump/Fan Controller				
Case	EK-C232 Design				
	Dimensions: W x H x D (in)	15.6 x 23.5 x 25			
	Dimensions: W x H x D (cm)	39.6 x 59.2 x 63.5			
Warranty	Standard 1 year from ship date				