

Compute Series X5000 - 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:

- Intel Xeon W-Series CPUs
- 1x to 4x GPUs
- 64 GB to 256 GB Memory
- 2 x 1200W 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	ASUS WS C422 SAGE/10G				
	Chipset	C422			
	Socket	LGA 2066			
	PCIe Lanes per GPU	16			
	Multi-Threading	Yes			
CPUs	Intel Xeon W Series	W2245	W2255	W2275	W2295
	Frequency (GHz) Base / Boost	3.9 / 4.5	3.7 / 4.5	3.3 / 4.6	3.0 / 4.6
	Cores / Threads	8 / 16	10 / 20	14 / 28	18 / 36
	Cooling	Liquid			
Memory	64GB (2 x 32GB), 128GB (4 x 32GB), 256GB (8 x 32GB), 512GB (8 x 64GB), 1024GB (8 x 128GB)				
	DIMM Sockets	8 x DDR4			
	Speed	2933 MHz			
	Error Correcting	Non-ECC			
Expansion Slots	4 x PCIe 3.0 x16 (x16/x8)				
GPUs	NVIDIA GeForce RTX 3090, RTX A6000				
	Max GPUs	4			
	Cooling	Liquid			
Storage	1 x NVMe M.2 SSD / 8 x SATA SSD or 6 x SATA SSD + 1 x ODD				
	Boot Drive	1x NVMe M.2 SSD PCIe 3.0 x4 (1TB, 2TB)			
	Additional NVMe Storage	N/A			
	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 1200 Watt Platinum				
I/O Ports	Front I/O				
	Audio				
	4 x USB (Type-A)				
	Rear I/O				
	1 x USB 3.1 Gen 2 (Type-A)				
	1 x USB 3.1 Gen 2 (Type-C)				
	4 x USB 3.1 Gen 1				
	2 x 10GbE LAN (RJ-45)				
	5 x Audio jacks				
	1 x Optical S/PDIF out				
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 1x 140mm fan				
	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				