Studio Series
S5000 - Intel

EK FLUID WORKS
POWERED BY: **xenowulf**

Professional Liquid Cooled Workstations

EK Fluid Works Studio Series workstations are designed for **digital content creators who want to accelerate their workflow** and complete more projects in less time.

Optimized for:

- Media & Entertainment (M&E)
- Manufacturing & Product Design (MPD)
- Architecture, Engineering & Construction (AEC)

Quick Specs:

- Intel Xeon W-Series CPUs
- 1x to 3x GPUs
- 64 GB to 128 GB Memory
- 1600W PSU

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.

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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)
	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 3080, 3090
	Max GPUs	3
	Cooling	Liquid

Storage	1 x NVMe M.2 SSD / 2x SATA SSD
	Boot Drive	1x NVMe M.2 SSD PCIe 3.0 x4 (1TB, 2TB)
	Additional NVMe Storage	N/A
	Additional SATA Storage	2x SATA III 2.5" SSD (1TB, 2TB, 4TB, 8TB)
	Optical Drive (ODD)	N/A

Power Supply	1600 Watt Platinum

I/O Ports	Front I/O
	Audio
	2 x USB (Type-A)
	1 x USB (Type-C)
	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
	Quick Disconnect Couplings (QDC)
	xenowulf Smart Pump/Fan Controller

Case	Custom Lian Li V3000	
	Dimensions: W x H x D (in)	9.7 x 24.6 x 23.8
	Dimensions: W x H x D (cm)	24.5 x 62.5 x 60.5

Warranty	Standard 1 year from ship date