

# Studio Series S5000 - AMD



## 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:

- 3<sup>rd</sup> Gen AMD Threadripper 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.

Motherboard	ASRock TRX40 Creator			
	Chipset	AMD TRX40		
	Socket	TR4		
	PCIe Lanes per GPU	16		
	Multi-Threading	Yes		
	Onboard WiFi	WiFi6 802.11ax		
	Onboard Bluetooth	BT 5.0		
CPUs	AMD Ryzen Threadripper	3960X	3970X	3990X
	Frequency (GHz) Base / Boost	3.8 / 4.8	3.7 / 4.5	2.9 / 4.3
	Cores / Threads	24 / 48	32 / 64	64 / 128
	Cooling	Liquid		
Memory	64GB (2 x 32GB), 128GB (4 x 32GB), 256GB (8 x 32GB)			
	DIMM Sockets	8 x DDR4		
	Speed	3200 MHz		
	Error Correcting	Non-ECC		
	Expansion Slots	4 x PCIe 4.0 x16		
GPUs	NVIDIA GeForce RTX 3080, 3090			
	Max GPUs	3		
	Cooling	Liquid		
Storage	3 x NVMe M.2 SSD / 2x SATA SSD			
	Boot Drive	1x NVMe M.2 SSD PCIe 4.0 x4 (500GB, 1TB, 2TB)		
	Additional NVMe Storage	2x NVMe M.2 SSD PCIe 4.0 x4 (500GB, 1TB, 2TB)		
	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			
	2 x USB 3.2 Gen 2 (Type-A)			
	1 x USB 3.2 Gen 2x2 (Type-C)			
	4 x USB 3.2 Gen 1			
	1 x 10GbE LAN (RJ-45)			
	1 x 2.5GbE 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			