

AMD Radeon RX 9070 XT 16GB vs NVIDIA GeForce RTX 5070 Ti 16GB

Side by side datacenter GPU specifications from the Flopper.io database.

OVERVIEW

	AMD Radeon RX 9070 XT 16GB	NVIDIA GeForce RTX 5070 Ti 16GB
FP32 TFLOPS	48.7	43.9
Memory	16 GB	16 GB
Memory Bandwidth	640 GB/s	896 GB/s
TDP	304 W	300 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 9070 XT 16GB peak TFLOPS (dense)	NVIDIA GeForce RTX 5070 Ti 16GB peak TFLOPS (dense)
FP64	—	0.7
FP32	48.7	43.9
TF32	—	43.9
BF16	—	87.9
FP16	195.0	175.8
FP8	389.0	351.5
FP6	—	—
FP4	—	703.0
INT8	389.0	351.5
INT4	779.0	—

SPECIFICATIONS

	AMD Radeon RX 9070 XT 16GB	NVIDIA GeForce RTX 5070 Ti 16GB
Architecture	RDNA 4	Blackwell
Process Node	—	4nm
Launch Year	2025	2025
Form Factor	PCIe	PCIe

	AMD Radeon RX 9070 XT 16GB	NVIDIA GeForce RTX 5070 Ti 16GB
Memory Type	GDDR6	GDDR7
Interface Width	256-bit	256-bit
Interconnect	—	—
TDP	304 W	300 W
FP32 Efficiency	0.16 TFLOPS/W	0.15 TFLOPS/W