

AMD Radeon RX 6800 16GB vs NVIDIA GeForce RTX 3060 Ti 8GB

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

OVERVIEW

	AMD Radeon RX 6800 16GB	NVIDIA GeForce RTX 3060 Ti 8GB
FP32 TFLOPS	16.2	16.2
Memory	16 GB	8 GB
Memory Bandwidth	512 GB/s	—
TDP	250 W	200 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 6800 16GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3060 Ti 8GB peak TFLOPS (dense)
FP64	—	0.3
FP32	16.2	16.2
TF32	—	16.2
BF16	—	32.4
FP16	32.3	32.4
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	129.6
INT4	—	259.1

SPECIFICATIONS

	AMD Radeon RX 6800 16GB	NVIDIA GeForce RTX 3060 Ti 8GB
Architecture	RDNA 2	Ampere
Process Node	7nm	8nm
Launch Year	2020	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	256-bit

	AMD Radeon RX 6800 16GB	NVIDIA GeForce RTX 3060 Ti 8GB
Interconnect	—	—
TDP	250 W	200 W
FP32 Efficiency	0.06 TFLOPS/W	0.08 TFLOPS/W