



AMD Radeon RX 6800 16GB vs AMD Radeon RX 6900 XT 16GB

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

OVERVIEW

	AMD Radeon RX 6800 16GB	AMD Radeon RX 6900 XT 16GB
FP32 TFLOPS	16.2	23.0
VRAM	16 GB	16 GB
Memory Bandwidth	512 GB/s	512 GB/s
TDP	250 W	300 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 6800 16GB peak TFLOPS (dense)	AMD Radeon RX 6900 XT 16GB peak TFLOPS (dense)
FP64	—	—
FP32	16.2	23.0
TF32	—	—
BF16	—	—
FP16	32.3	46.1
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon RX 6800 16GB	AMD Radeon RX 6900 XT 16GB
Architecture	RDNA 2	RDNA 2
Process Node	7nm	7nm
Launch Year	2020	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	256-bit
Interconnect	—	—

	AMD Radeon RX 6800 16GB	AMD Radeon RX 6900 XT 16GB
TDP	250 W	300 W
FP32 Efficiency	0.06 TFLOPS/W	0.08 TFLOPS/W