

AMD Radeon RX 6700 XT 12GB vs AMD Radeon RX 6900 XT 16GB

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

OVERVIEW

	AMD Radeon RX 6700 XT 12GB	AMD Radeon RX 6900 XT 16GB
FP32 TFLOPS	13.2	23.0
VRAM	12 GB	16 GB
Memory Bandwidth	384 GB/s	512 GB/s
TDP	230 W	300 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 6700 XT 12GB peak TFLOPS (dense)	AMD Radeon RX 6900 XT 16GB peak TFLOPS (dense)
FP64	—	—
FP32	13.2	23.0
TF32	—	—
BF16	—	—
FP16	26.4	46.1
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon RX 6700 XT 12GB	AMD Radeon RX 6900 XT 16GB
Architecture	RDNA 2	RDNA 2
Process Node	7nm	7nm
Launch Year	2021	2020
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	192-bit	256-bit

	AMD Radeon RX 6700 XT 12GB	AMD Radeon RX 6900 XT 16GB
Interconnect	—	—
TDP	230 W	300 W
FP32 Efficiency	0.06 TFLOPS/W	0.08 TFLOPS/W