

AMD Radeon RX 6900 XT 16GB vs AMD Radeon RX 6750 XT 12GB

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

OVERVIEW

	AMD Radeon RX 6900 XT 16GB	AMD Radeon RX 6750 XT 12GB
FP32 TFLOPS	23.0	13.3
VRAM	16 GB	12 GB
Memory Bandwidth	512 GB/s	432 GB/s
TDP	300 W	250 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 6900 XT 16GB peak TFLOPS (dense)	AMD Radeon RX 6750 XT 12GB peak TFLOPS (dense)
FP64	—	—
FP32	23.0	13.3
TF32	—	—
BF16	—	—
FP16	46.1	26.6
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon RX 6900 XT 16GB	AMD Radeon RX 6750 XT 12GB
Architecture	RDNA 2	RDNA 2
Process Node	7nm	7nm
Launch Year	2020	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	192-bit

	AMD Radeon RX 6900 XT 16GB	AMD Radeon RX 6750 XT 12GB
Interconnect	—	—
TDP	300 W	250 W
FP32 Efficiency	0.08 TFLOPS/W	0.05 TFLOPS/W