

AMD Radeon RX 6650 XT 8GB vs AMD Radeon RX 6950 XT 16GB

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

OVERVIEW

	AMD Radeon RX 6650 XT 8GB	AMD Radeon RX 6950 XT 16GB
FP32 TFLOPS	10.8	23.6
VRAM	8 GB	16 GB
Memory Bandwidth	280 GB/s	576 GB/s
TDP	180 W	335 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 6650 XT 8GB peak TFLOPS (dense)	AMD Radeon RX 6950 XT 16GB peak TFLOPS (dense)
FP64	—	—
FP32	10.8	23.6
TF32	—	—
BF16	—	—
FP16	21.6	47.3
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon RX 6650 XT 8GB	AMD Radeon RX 6950 XT 16GB
Architecture	RDNA 2	RDNA 2
Process Node	7nm	7nm
Launch Year	2022	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	128-bit	256-bit
Interconnect	—	—

	AMD Radeon RX 6650 XT 8GB	AMD Radeon RX 6950 XT 16GB
TDP	180 W	335 W
FP32 Efficiency	0.06 TFLOPS/W	0.07 TFLOPS/W