

AMD Radeon PRO W6800 32GB vs AMD Radeon RX 6950 XT 16GB

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

OVERVIEW

	AMD Radeon PRO W6800 32GB	AMD Radeon RX 6950 XT 16GB
FP32 TFLOPS	17.8	23.6
VRAM	32 GB	16 GB
Memory Bandwidth	512 GB/s	576 GB/s
TDP	250 W	335 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W6800 32GB peak TFLOPS (dense)	AMD Radeon RX 6950 XT 16GB peak TFLOPS (dense)
FP64	1.1	—
FP32	17.8	23.6
TF32	—	—
BF16	—	—
FP16	35.7	47.3
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon PRO W6800 32GB	AMD Radeon RX 6950 XT 16GB
Architecture	RDNA 2	RDNA 2
Process Node	7nm	7nm
Launch Year	2021	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	256-bit

	AMD Radeon PRO W6800 32GB	AMD Radeon RX 6950 XT 16GB
Interconnect	—	—
TDP	250 W	335 W
FP32 Efficiency	0.07 TFLOPS/W	0.07 TFLOPS/W