

AMD Radeon RX 7800 XT 16GB vs AMD Radeon RX 7900 XT 20GB

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

OVERVIEW

	AMD Radeon RX 7800 XT 16GB	AMD Radeon RX 7900 XT 20GB
FP32 TFLOPS	37.3	51.6
VRAM	16 GB	20 GB
Memory Bandwidth	624 GB/s	800 GB/s
TDP	263 W	315 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 7800 XT 16GB peak TFLOPS (dense)	AMD Radeon RX 7900 XT 20GB peak TFLOPS (dense)
FP64	—	—
FP32	37.3	51.6
TF32	—	—
BF16	—	—
FP16	74.6	103.2
FP8	—	—
FP6	—	—
FP4	—	—
INT8	74.6	103.2
INT4	149.0	206.0

SPECIFICATIONS

	AMD Radeon RX 7800 XT 16GB	AMD Radeon RX 7900 XT 20GB
Architecture	RDNA 3	RDNA 3
Process Node	5nm	5nm
Launch Year	2023	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—

	AMD Radeon RX 7800 XT 16GB	AMD Radeon RX 7900 XT 20GB
Interface Width	256-bit	—
Interconnect	—	—
TDP	263 W	315 W
FP32 Efficiency	0.14 TFLOPS/W	0.16 TFLOPS/W