

AMD Radeon RX 7700 XT 12GB vs AMD Radeon RX 7900 XT 20GB

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

OVERVIEW

	AMD Radeon RX 7700 XT 12GB	AMD Radeon RX 7900 XT 20GB
FP32 TFLOPS	35.2	51.6
VRAM	12 GB	20 GB
Memory Bandwidth	432 GB/s	800 GB/s
TDP	245 W	315 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 7700 XT 12GB peak TFLOPS (dense)	AMD Radeon RX 7900 XT 20GB peak TFLOPS (dense)
FP64	—	—
FP32	35.2	51.6
TF32	—	—
BF16	—	—
FP16	70.3	103.2
FP8	—	—
FP6	—	—
FP4	—	—
INT8	70.3	103.2
INT4	141.0	206.0

SPECIFICATIONS

	AMD Radeon RX 7700 XT 12GB	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 7700 XT 12GB	AMD Radeon RX 7900 XT 20GB
Interface Width	192-bit	—
Interconnect	—	—
TDP	245 W	315 W
FP32 Efficiency	0.14 TFLOPS/W	0.16 TFLOPS/W