AMD Radeon RX 7700 XT 12GB vs NVIDIA GeForce RTX 4070 SUPER 12GB

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

OVERVIEW

	AMD Radeon RX 7700 XT 12GB	NVIDIA GeForce RTX 4070 SUPER 12GB
FP32 TFLOPS	**35.2**	**35.5**
Memory	**12 GB**	**12 GB**
Memory Bandwidth	**432 GB/s**	**—**
TDP	**245 W**	**220 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 7700 XT 12GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4070 SUPER 12GB peak TFLOPS (dense)
FP64	—	0.6
FP32	35.2	35.5
TF32	—	35.5
BF16	—	71.0
FP16	70.3	71.0
FP8	—	141.9
FP6	—	—
FP4	—	—
INT8	70.3	283.9
INT4	141.0	—

SPECIFICATIONS

	AMD Radeon RX 7700 XT 12GB	NVIDIA GeForce RTX 4070 SUPER 12GB
Architecture	RDNA 3	Ada Lovelace
Process Node	5nm	4nm
Launch Year	2023	2024
Form Factor	PCIe	PCIe

	AMD Radeon RX 7700 XT 12GB	NVIDIA GeForce RTX 4070 SUPER 12GB
Memory Type	GDDR6	GDDR6X
Interface Width	192-bit	192-bit
Interconnect	—	—
TDP	245 W	220 W
FP32 Efficiency	0.14 TFLOPS/W	0.16 TFLOPS/W