AMD Radeon RX 7600 8GB vs NVIDIA GeForce RTX 3070 Ti 8GB

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

OVERVIEW

	AMD Radeon RX 7600 8GB	NVIDIA GeForce RTX 3070 Ti 8GB
FP32 TFLOPS	**21.7**	**21.8**
Memory	**8 GB**	**8 GB**
Memory Bandwidth	**288 GB/s**	**—**
TDP	**165 W**	**290 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 7600 8GB peak TFLOPS (dense)	NVIDIA GeForce RTX 3070 Ti 8GB peak TFLOPS (dense)
FP64	—	0.3
FP32	21.7	21.8
TF32	—	21.8
BF16	—	43.5
FP16	43.5	43.5
FP8	—	—
FP6	—	—
FP4	—	—
INT8	43.5	174.0
INT4	87.0	348.0

SPECIFICATIONS

	AMD Radeon RX 7600 8GB	NVIDIA GeForce RTX 3070 Ti 8GB
Architecture	RDNA 3	Ampere
Process Node	6nm	8nm
Launch Year	2023	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6X
Interface Width	128-bit	256-bit

	AMD Radeon RX 7600 8GB	NVIDIA GeForce RTX 3070 Ti 8GB
Interconnect	–	–
TDP	165 W	290 W
FP32 Efficiency	0.13 TFLOPS/W	0.07 TFLOPS/W