NVIDIA GeForce RTX 4070 12GB vs NVIDIA RTX 5000 Ada 32GB

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

OVERVIEW

	NVIDIA GeForce RTX 4070 12GB	NVIDIA RTX 5000 Ada 32GB
FP32 TFLOPS	**29.1**	**65.3**
Memory	**12 GB**	**32 GB**
Memory Bandwidth	**504 GB/s**	**576 GB/s**
TDP	**200 W**	**250 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4070 12GB peak TFLOPS (dense)	NVIDIA RTX 5000 Ada 32GB peak TFLOPS (dense)
FP64	0.5	—
FP32	29.1	65.3
TF32	29.1	—
BF16	58.3	—
FP16	58.3	—
FP8	116.6	522.2
FP6	—	—
FP4	—	—
INT8	233.2	—

SPECIFICATIONS

	NVIDIA GeForce RTX 4070 12GB	NVIDIA RTX 5000 Ada 32GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	—
Interface Width	192-bit	256-bit
Interconnect	—	—

	NVIDIA GeForce RTX 4070 12GB	NVIDIA RTX 5000 Ada 32GB
TDP	200 W	250 W
FP32 Efficiency	0.15 TFLOPS/W	0.26 TFLOPS/W