



NVIDIA GeForce RTX 4080 16GB vs NVIDIA RTX 5000 Ada 32GB

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

OVERVIEW

	NVIDIA GeForce RTX 4080 16GB	NVIDIA RTX 5000 Ada 32GB
FP32 TFLOPS	48.7	65.3
VRAM	16 GB	32 GB
Memory Bandwidth	717 GB/s	576 GB/s
TDP	320 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4080 16GB peak TFLOPS (dense)	NVIDIA RTX 5000 Ada 32GB peak TFLOPS (dense)
INT8	195.0	—
FP8	195.0	522.2
FP16	97.5	—
BF16	97.5	—
TF32	48.7	—
FP32	48.7	65.3
FP64	0.7	—

SPECIFICATIONS

	NVIDIA GeForce RTX 4080 16GB	NVIDIA RTX 5000 Ada 32GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2022	2023
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	256-bit
Interconnect	—	—

	NVIDIA GeForce RTX 4080 16GB	NVIDIA RTX 5000 Ada 32GB
TDP	320 W	250 W
FP32 Efficiency	0.15 TFLOPS/W	0.26 TFLOPS/W