



NVIDIA RTX 2000 Ada 16GB vs NVIDIA RTX 5000 Ada 32GB

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

OVERVIEW

	NVIDIA RTX 2000 Ada 16GB	NVIDIA RTX 5000 Ada 32GB
FP32 TFLOPS	12.0	65.3
Memory	16 GB	32 GB
Memory Bandwidth	224 GB/s	576 GB/s
TDP	70 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 2000 Ada 16GB peak TFLOPS (dense)	NVIDIA RTX 5000 Ada 32GB peak TFLOPS (dense)
FP64	0.2	—
FP32	12.0	65.3
TF32	12.0	—
BF16	24.0	—
FP16	24.0	—
FP8	48.0	522.2
FP6	—	—
FP4	—	—
INT8	48.0	—

SPECIFICATIONS

	NVIDIA RTX 2000 Ada 16GB	NVIDIA RTX 5000 Ada 32GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2024	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	128-bit	256-bit
Interconnect	—	—

	NVIDIA RTX 2000 Ada 16GB	NVIDIA RTX 5000 Ada 32GB
TDP	70 W	250 W
FP32 Efficiency	0.17 TFLOPS/W	0.26 TFLOPS/W