



NVIDIA RTX 2000 Ada 16GB vs NVIDIA RTX 6000 Ada 48GB

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

OVERVIEW

	NVIDIA RTX 2000 Ada 16GB	NVIDIA RTX 6000 Ada 48GB
FP32 TFLOPS	12.0	91.1
VRAM	16 GB	48 GB
Memory Bandwidth	224 GB/s	960 GB/s
TDP	70 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 2000 Ada 16GB peak TFLOPS (dense)	NVIDIA RTX 6000 Ada 48GB peak TFLOPS (dense)
FP64	0.2	—
FP32	12.0	91.1
TF32	12.0	—
BF16	24.0	—
FP16	24.0	—
FP8	48.0	728.5
FP6	—	—
FP4	—	—
INT8	48.0	—

SPECIFICATIONS

	NVIDIA RTX 2000 Ada 16GB	NVIDIA RTX 6000 Ada 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2024	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	128-bit	—
Interconnect	—	—

	NVIDIA RTX 2000 Ada 16GB	NVIDIA RTX 6000 Ada 48GB
TDP	70 W	300 W
FP32 Efficiency	0.17 TFLOPS/W	0.30 TFLOPS/W