



AMD Radeon PRO W7500 8GB vs NVIDIA RTX 2000 Ada 16GB

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

OVERVIEW

	AMD Radeon PRO W7500 8GB	NVIDIA RTX 2000 Ada 16GB
FP32 TFLOPS	12.2	12.0
Memory	8 GB	16 GB
Memory Bandwidth	256 GB/s	224 GB/s
TDP	70 W	70 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W7500 8GB peak TFLOPS (dense)	NVIDIA RTX 2000 Ada 16GB peak TFLOPS (dense)
FP64	—	0.2
FP32	12.2	12.0
TF32	—	12.0
BF16	—	24.0
FP16	24.4	24.0
FP8	—	48.0
FP6	—	—
FP4	—	—
INT8	24.4	48.0
INT4	49.0	—

SPECIFICATIONS

	AMD Radeon PRO W7500 8GB	NVIDIA RTX 2000 Ada 16GB
Architecture	RDNA 3	Ada Lovelace
Process Node	6nm	4nm
Launch Year	2023	2024
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	128-bit	128-bit

	AMD Radeon PRO W7500 8GB	NVIDIA RTX 2000 Ada 16GB
Interconnect	—	—
TDP	70 W	70 W
FP32 Efficiency	0.17 TFLOPS/W	0.17 TFLOPS/W